

691.111

LOG BOOK.

VOYAGES OF THE

Ship Erskine M. Phelps

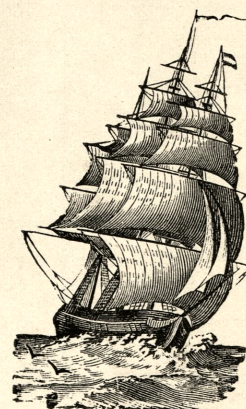
*Launched July 26th 1898
Tuesday at 5 P.M.*

COMMANDED BY

*Draft 8 ft. for
7-3 1/2 ft.*

Robt. J. Graham

*Left Port Sept. 5th
Cashed Legum at 30 M.
Arrived at Cape Henry
Sept. 12 at 8 A.M.*



Draft 10 ft. 9 in. 900 lbs. ballast

Agent for U. S. Hydrographic and Coast Survey Charts and Publications.

M. V. O'NEAL,

Chronometers and Nautical Instruments,

Sextants, Quadrants, Compasses, Barometers,

MARINE GLASSES,

PATENT LOGS, Etc.

ADJUSTER OF COMPASSES IN IRON VESSELS.

502 EAST PRATT STREET,

BALTIMORE, MD.

LOG BOOK

VOYAGES OF THE

COMMANDED BY



M. V. O'NEAL
Chronometers and Nautical Instruments
PATENT LOGS, ETC.
ADJUSTERS OF COMPASSES IN IRON VESSELS
502 East Pratt Street
BALTIMORE, MD.

Journal from Baltimore, Md, towards San Francisco Cal.

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1									Tuesday Sept 27-1898. At 6 A.M. left Maryland and towed to an anchor. Drove in 4506 tons. Draft, even keel. 22 ft. 4 in. At 4:30 P.M. got under- weigh. and proceeded in tow of tug John D. Brady near the fine wind moderate at N.W.		
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
1									Wednesday - Sept 28-1898. Still towing. Boat has very little power, helping her with sail when ever wind permits. Thursday. Sept. 29 th About 6 A.M. passed out Capes, discharged pilot. Light breeze at S.E. At noon Cape Henry bore N.W. distance 25 miles.		
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

This will end civil time.

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	3		NE.	SE.					Friday. Sept. 30-1898. Nautical time. 12:30 Made sail. 1 P.M. Tow boat let go having towed us 23 miles outside Capes. which was unusually good. Midnight Made same. Day ends without change. 1 Day at sea.		
2	3										
3	3										
4	3										
5	3										
6	3										
7	3										
8	2										
9	2										
10	2										
11	2										
12	2										
1	2										
2	2										
3	2										
4	3										
5	3										
6	3										
7	3										
8	3										
9	2										
10	2										
11	2										
12	2										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
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58

27-50N.

74-25W.

Journal from Baltimore, towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer Air. Water.	Barometer.	REMARKS.	day of	1894
1	2		SE.	E. N. E.				Now ship to Southward huge freshening up.	Saturday Oct. 1	
2	3							7 P.M. Blowing fresh. very heavy S.E. sea		
3	3							10 P.M. Took in top-gal-staysails		
4	3							11 P.M. In staysails		
5	4							Mid. In staysails doing		
6	6							huge ships diving bows under		
7	7							2 A.M. Furlled top-gal-sails		
8	8							Head sail increasing		
9	9							ship repeatedly washing plugs out of lower pipes		
10	9							5 A.M. On looking down fore-speak		
11	9							found about 5 ft. of water there		
12	9							and the water coming in in torrents each time the ship dove.		
1	8		South.		1 pt			called all hands shorten sail to 3 lower topsails & fore sail		
2	8							Now ship to northward, found all flour and other stores		
3	6							badly mottled, got them up and stored them in trunks.		
4	6							Day ends without change.		
5	5							2 days at sea.		
6	2									
7	2									
8	2									
9	2									
10	2									
11	2									
12	2									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
129				37-10				73° 00	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer Air. Water.	Barometer.	REMARKS.	day of	18
1	2		N. by E.	E. by N.			20.26	Now, moderating somewhat.	Sunday Oct 2.	
2	2							set up per topsails.		
3	3		SE. by S.					On getting fore peak pumped		
4	3							out found that water did not		
5	3							come in around the stem as		
6	3							I had first supposed but		
7	3		SSE.	East.				through numerous bolt holes		
8	3		N. by E. 1/2 S.					in the deck and around the		
9	6		N. by E. 1/2 E.					sides where it is cemented, and		
10	6							cementing there is very badly done.		
11	7							am much relieved to find		
12	8							that such is the case, as the		
1	8							difficulty can be got over as soon		
2	8							as we get fine weather.		
3	8							Ship's hull keeps perfectly tight.		
4	8							3 P.M. Now to Southward, southerly		
5	9						30.40	sail still running, ship beginning to		
6	9							pick heavily again 8 P.M. Now to northward		
7	8							going much easier on account of southerly sea running		
8	8		N. by E.	E. by N.				after he, set courses and top-gal-sails.		
9	7							Day ends, strong to fresh		
10	7							large clear weather.		
11	4									
12	7									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
143				38° 53	38° 50			72° 26	72° 26

Journal from Baltimore towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer Air. Water.	Barometer.	REMARKS.	day of	18
1	6		N. N. E.	East				Now - set all sail.	Monday Oct 3 -	
2	5							mind moderating ship		
3	5		N. E. by N.	E. by S.				inclined to head up.		
4	5							4 P.M. Tacked to south-		
5	4		S. S. E.	East				ward.		
6	3							Midnight - tacked to		
7	3		S. by E.	E. by S.				Southward light air		
8	3		South.	E. S. E.				and fine weather		
9	3									
10	3									
11	3									
12	3	1/2								
1	3	1/2	N. E. by E.	S. E. by E.				Day ends without		
2	3	1/2						change.		
3	3	1/2						4 Days at sea.		
4	3									
5	4		E. N. E.	S. E.				Got out flour up on deck		
6	4							and dried it		
7	4							crew employed cleaning		
8	4		E. by N.	S. E. by S.				turnbuckles of rigging		
9	4							and other work aloft.		
10	4									
11	4									
12	4									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
92				39° 16				71° 49	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer Air. Water.	Barometer.	REMARKS.	day of	18
1	4		East.	S. S. E.				Begins with light air	Tuesday Oct 4	
2	4		E. by N.					and fine weather.		
3	4							heavy swell rolling.		
4	4							8 P.M. Light breeze		
5	4	1/2								
6	4	1/2								
7	5		E. by S.	South.				Ends without change.		
8	5							Side lights - look at		
9	5			S. by E.				furiously and reported		
10	5							very 1/2 hour.		
11	5							Lookout kept forward		
12	5							ast and amidships.		
1	6							Hatches off for ven-		
2	6		E. by S. 1/2 S.					tilation.		
3	6									
4	6									
5	6									
6	6									
7	6									
8	5									
9	5									
10	5			N. S. E.						
11	5									
12	5									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
122				39° 16	39° 20			69° 14	69° 13

Journal from Baltimore, towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer Air. Water.	Barometer.	REMARKS.
1	6		ESE	West.			30.26	Wednesday Oct 5 th 1898 Begins light breeze and fine weather.
2	7							
3	7							
4	7							
5	6							
6	5							Midnight, no change
7	5							
8	4							
9	5		SE 1/4 E	West.				
10	5							
11	5							Ends without change
12	5	1/2		West				
1	5	1/2						Crew employed cleaning
2	5	1/2						screws, making and putting
3	5	1/2						in chaffing gear etc.
4	5							
5	5							Current East 15 miles.
6	5							
7	5							
8	5							
9	5							6 Days at sea
10	5							Carpenter cementing and
11	5							caulking under deck
12	5							top gallant forecastle.

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
129				39-08	39-06			66-29	66-10

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer Air. Water.	Barometer.	REMARKS.
1	5		ESE	West.				Thursday Oct 6 th 1898 Begins light airs and fine weather
2	5							
3	5							
4	5							
5	3							
6	4			S. St.				
7	5							
8	6		SE 1/4 E	West				
9	6							Ends Fresh breeze and
10	6							equally.
11	6							
12	6							Crew variously employed
1	7							Carpenter cementing and
2	7							stopping leaks under forecastle
3	7							
4	7							Light lookout & ventilation
5	9							strictly attended.
6	9							
7	9							
8	9							7 Days at sea.
9	10							
10	11							Slight northerly current
11	11							One mile at sea this is the first breeze
12	11							favorable wind

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
169				39-00	39-09			62-24	62-35

Journal from Baltimore, Md. towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer Air. Water.	Barometer.	REMARKS.
1	11		SE 1/4 E	W. S.				Friday Oct 7 th 1898 Begins fresh to
2	11							strong breeze and
3	11							equally.
4	11			SE 1/4 E				4 P.M. Wind shifted
5	12							into northward.
6	12							
7	11							
8	11							8 P.M. Strong breeze and
9	12		SE 1/2 E	SE 1/4 E				squally.
10	12							Midnight, no change.
11	11							
12	11							
1	11		SE 1/4 S	NE 1/4 E				Day ends moderating,
2	11							clear weather.
3	11							
4	11							8 Days at sea
5	10							
6	10							Ship has overrun her
7	10							distance 18 miles and not
8	10			SE 1/4 E				sure whether it is current
9	9							or whether she went faster
10	9		SE 1/4 S					than the log gave her, and
11	8							inclined to think the latter.
12	4							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
Obs 68° E	227.250			37-37	37-29			67-42	67-21

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer Air. Water.	Barometer.	REMARKS.
1	9	1/2	SE 1/4 E	East				Saturday Oct 8 th 1898 Day begins fresh to
2	9	1/2						strong breeze and partly
3	9	1/2						cloudy weather.
4	9	1/2						
5	9	1/2						
6	9	1/2						
7	9	1/2	S. S. E.					Mid - no change
8	9	1/2						
9	8							
10	7							Ends light breeze and
11	7							cloudy.
12	7							
1	7		SE 1/2 E					9 Days at sea
2	8							
3	7							
4	7							Carpenter employed
5	8	1/2	SE 1/2 E					cementing, caulking and
6	8	1/2						screwing up bolts under
7	8	1/2						deck top gallant forecastle.
8	8	1/2						Crew working aloft,
9	5		SE 1/4 E					cleaning screws and
10	5							making chaffing gear.
11	5							
12	5							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
Distance 195	188 log			35-20	35-02			54-33	54-44

Journal from Baltimore towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.
						Air.	Water.	
1	3		SE 1/4 S.	SE				Day begins light wind
2	5		SE 1/4 E.	SE 1/4 E.				and cloudy.
3	7							12.30 tacked ship to N.E. wind.
4	8							2 P.M. Bruising up.
5	9		SE 1/4 E.					Mid. Strong breeze.
6	9							
7	9							
8	8							
9	8		SE 1/4 S.	SE 1/4 S.				5 A.M. Wind increasing, furled
10	9							skysails and light staysails
11	9							
12	9							
1	10		SE 1/4 N.					Day ends, blowing strong
2	10							heavy sea making
3	10							shipping considerable water.
4	10							
5	11		SE 1/4 S.	South				Log gives her 13 K per hour.
6	11			SE 1/4 S.				think she is going more.
7	11							
8	12							Light, lookout and ventilation
9	13			S.S.W.				strictly attended.
10	13			S.W.				
11	13							
12	11							10 Days at sea

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
Log. 230				36° 48'				50° 51'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.
						Air.	Water.	
1	12		SE 1/4 S.	SE				Monday Oct 10 - 1898
2	13		SE 1/4 S.					Day begins blowing strong
3	13							and equally, heavy sea
4	13		SE 1/4 S.					making.
5	13							2 P.M. Furled my royal.
6	13							4.30. Skipped by sea, com-
7	12							pletely smashing starboard
8	12		SE 1/4 S.					after boat, flooding the decks,
9	11							also squashing down the
10	11							after iron skids on which
11	12							boat rests. Washed section of
12	12							bridge to leeward.
1	11		SE 1/4 S.	N. S.W.				9 A.M. moderating come
2	11		SE 1/4 E.					ret my royal.
3	11							
4	11		SE 1/4 E.					Mid blowing strong and
5	10							equally standing by royal -
6	10							Billards in squalls.
7	10							
8	10		SE 1/4 E.					4 A.M. Weather improving, at
9	10		SE 1/4 E.					skysails.
10	10							5 A.M. Set all sail.
11	10		SE.					Day ends moderating, sea
12	5							going down.

Distance obs. 275 miles.

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
Log. 264				37° 15'	37° 27'			45° 28'	45° 34'

Journal from Baltimore Md. towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.
						Air.	Water.	
1	10		SE 1/4 S.	West				Tuesday Oct 11 - 1898
2	10		SE 1/4 E.					Day begins fresh breeze
3	10							and cloudy.
4	10		SE 1/4 S.					Balance of day
5	10							fresh to moderate breeze
6	10							cloudy weather.
7	10		S.S.O.	N. N. W.				occasional rain showers.
8	11							
9	11							Carpenter finished
10	11							under fore-castle and
11	10							began to make battens for
12	10							shifters, which ought to
1	10							have been made 2 weeks
2	10							ago.
3	10							
4	10							
5	10			North				Crew employed cleaning
6	10							screens, making chaffing gear,
7	10							and general work.
8	9			SE				
9	9							12 Days at sea.
10	9							
11	9							Signalled steamer
12	9							bound to Eastward.

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
Log. 238 miles				35° 26'				41° 31'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.
						Air.	Water.	
1	9		SSE	SE				Wednesday Oct 12
2	8							Day begins moderate breeze
3	8		SE 1/4 E.					and cloudy weather.
4	8							
5	8			SE 1/4 E.				
6	8							Mid night - fresh breeze
7	7							and fine.
8	7							
9	8		SSE	SE 1/4 S.				
10	9							Ends, without change.
11	9							
12	9							Crew employed making
1	10							chaffing gear, rearing
2	10							gear clear, cleaning screens etc.
3	10							
4	10							Carpenter employed
5	10							making battens and
6	10							lead.
7	10							
8	10							
9	11							13 Days at sea.
10	10							Distance obs. 220
11	10							Log 214
12	10							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
Log. 214				32° 34'	32° 27'	21° W		39° 00'	39° 01'

Journal from Baltimore, Md. towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.
1	9	1/2	Sby E	East		Air. Water.		Thursday day of Oct 13 - 1898
2	9	1/2				60 Wet.		
3	9	1/2						Fresh to moderate
4	9	1/2						breezes and fine
5	9	1/2	S 1/2 E					weather throughout
6	9	1/2						the day.
7	9	1/2						This A. M. passed
8	9	1/2				None		6 vessels bound North.
9	9	1/2	S 1/2 E					Lights, lookout and
10	9	1/2	S 1/2 E					ventilation strictly
11	9	1/2						attended
12	9	1/2						
1	9	1/2						14 Days at sea
2	9	1/2						Distance Log 227
3	9	1/2						" Oke. 7 232.
4	9	1/2						Carpenter making leaders.
5	9	1/2						Crew working aloft.
6	9	1/2						cleaning screws etc.
7	9	1/2						
8	9	1/2						
9	9	1/2						
10	9	1/2						
11	9	1/2						
12	9	1/2						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
Log 227				29° 08'	28° 56'			26° 57'	27° 11'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.
1	9	1/2	South	Eby S.		Deviation		Friday day of Oct 14 1898
2	9	1/2				None		Fresh, moderate and
3	9	1/2						light breezes and fine
4	9	1/2						weather throughout.
5	9	1/2						Crew employed cleaning
6	9	1/2						screws, shaking chaffing
7	8	1/2						gun and working aloft.
8	8	1/2	S by N 1/4 W	SE				Carpenter making battens.
9	8	1/2						Asst. Carpenter, building
10	8	1/2						hatch house.
11	8	1/2						
12	8	1/2						
1	7	1/2						We have had great deal of
2	6	1/2						trouble with lazaretto hatch
3	6	1/2						it has leaked badly with
4	6	1/2						only a rain shower.
5	3	1/2	S 1/2 W 1/4 N	SE				15 Days at sea.
6	3	1/2						12 miles Westerly Current.
7	3	1/2						
8	3	1/2						
9	3	1/2	S 1/2 W	SE by S 1/2 W				
10	3	1/2						
11	3	1/2						
12	3	1/2						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
Log 154				26° 28'	26° 26'			26° 43'	26° 56'

Journal from Baltimore Md towards San Francisco Cal.

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.
1	3		S 1/2 W	SE by S		Air. Water.		Saturday day of Oct 15 - 1898
2	3					None		First and middle
3	3							part light breeze &
4	3							fine weather.
5	4							Latent part, light air.
6	4							Crew cleaning screws,
7	4 1/2							retaining sails etc.
8	4 1/2		S. S. W	SE		30.21		Carpenter making
9	5							battens.
10	5							Boy, Martin Gardner
11	5							who is acting as
12	5							assistant carpenter.
1	3		S 1/2 W	SE by S				engaged building
2	3							hatch house.
3	3							16 Days at sea.
4	2							
5	2							
6	2							
7	2							
8	2							
9	2							
10	2							
11	2							
12	2							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
Log 76				25° 15'	25° 29'	18-30 N.		37° 13'	37° 20'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.
1	2		S 1/2 by S	SE by S		Deviation		Sunday - Oct 16 - 1898
2	2							Very light airs and
3	2							fine weather throughout
4	2							
5	1 1/2							Lights, lookout and
6	1 1/2							ventilation well attended
7	1 1/2							
8	1 1/2							
9	1		S. S. W 1/2 N			30.22		17 Days at sea
10	1							
11	1 1/2							
12	1 1/2							
1	1 1/2							
2	1 1/2							
3	1			North				
4	1		S by E 1/2 S	N. E.				
5	2							
6	2							
7	2							
8	2							
9	2		South			30.21		
10	2							
11	2							
12	1							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
Log 33				24° 57'	24° 56'			37° 19'	37° 20'

Journal from Baltimore towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	2		South	SE					Monday day of Oct 17-1898
2	2								Light baffling air for the entire day.
3	2								Scrubbed rust off outside and painted port side with Graphite.
4	2		SW by SE						
5	2								
6	2								
7	2								
8	1	1/2	South	SE					Carpenter employed caulking, and cementing around port house pipe which like the other one was left entirely open.
9	1	1/2						30.19	Asst. carpenter building hatch-house.
10	1	1/2							
11	1	1/2							
12	1	1/2							
1	1	1/2		NE					
2	1	1/2							
3	1	1/2							
4	1	1/2							
5	2			NE					
6	2								
7	2								
8	2								
9	2								
10	2			East					
11	2								
12	2								18 Days at sea.

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
44				24-17	24-15			37-11	37-11 1/2

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	3		SW by N	SO					Tuesday day of Oct 18-1898
2	3								Begin light airs and fine weather.
3	3								
4	3		SW by N	S by E					
5	3								
6	2		W. S. N.	South					Mid. breeze increasing a little.
7	2								
8	2		SW by N	S by E				30.13	
9	3								Ends moderate to light breeze and fine.
10	3								
11	3								
12	3								Finished painting outside.
1	4								Crew cleaning screws, sailmakers making awning and cover for misc. houses.
2	4								Carpenter making lattons.
3	4								Asst. " building hatch-house.
4	4								
5	4								
6	4								
7	4								
8	4								
9	4		S. N.	SSE					
10	6								
11	6								
12	6								19 Days at sea.

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
Log 88				23-06					38-09

Journal from Baltimore, Md. towards San Francisco.

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	3		S. N.	SSE					Wednesday day of Oct 19-1898
2	3								Begin with light air and fine weather.
3	3								
4	3								
5	3								S. P. M. Breeze up.
6	3								
7	3								
8	3								Ends moderate breeze and fine.
9	5							30.12	
10	5								Crew employed in rigging cleaning screws.
11	5								
12	5								Carpenter making lattons.
1	6								Asst. Carpenter building hatch-house.
2	6								
3	6								
4	6								
5	7								
6	7								
7	7								Sailmakers making awning.
8	7								
9	7								
10	7								
11	7								
12	7								20 Days at sea.

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
124				21-16 1/2					39-18 1/2

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	5	1/2	Ob. S. N.	S by E					Thursday Oct 20-1898
2	5	1/2							Went back to Eastward.
3	5	1/2							Light to moderate winds and fine weather for the day.
4	5	1/2							
5	6								
6	6								Crew employed cleaning screws of topmast and top-gilt rigging working about rigging, etc.
7	5	1/2							
8	5	1/2						30.12	
9	6		E. S. O.	S 1/2 E					
10	6								
11	6								
12	6								Carpenter caulking between pinnail and bulwark.
1	6		SE by E	S 1/2 N.					
2	6								
3	6								Asst. Carpenter building hatch-house.
4	6								
5	5		SE by E	S by N.					
6	4	1/2							
7	4	1/2							Sailmakers making awning.
8	4	1/2							This is an exceedingly poor chance.
9	6		S. O.	SSE					
10	6								
11	6	1/2							
12	6	1/2							21 Days at sea.

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
137				20-52	20-59			36-58	37-02

Journal from Baltimore towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.
						Air.	Water.	
1	5		S by S W	N. E. W.				Friday Oct 21-1898
2	5		"	"				Light air to light
3	5		"	"				buzzes, and clear
4	5		"	"				weather.
5	5		"	"				
6	5		"	"				
7	5		"	"				
8	5		"	"				
9	3		"	"				30-10
10	3		"	"				crew employed cleaning
11	3		"	"				capstans, anchors
12	3		"	"				and rigging drums, shafts,
1	5		"	"				pipe connections etc.
2	5		"	"				
3	5		"	"				Sailmakers making
4	5		"	"				awning and altering
5	4		"	"				masts and
6	4		"	"				carpenters caulking rails
7	4		"	"				
8	4		"	"				Act. bar. building hatch-
9	5		"	"				house.
10	5		"	"				
11	5		"	"				22 Days at sea
12	4		"	"				Hatches off for ventilation

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
107					19-49N.				35-13W.

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.
						Air.	Water.	
1	2	1/2	S by S W	N. S. W.				Saturday Oct 22
2	2	1/2	"	"				Light air the
3	2	1/2	"	"				entire day.
4	2	1/2	"	"				
5	2	1/2	"	"				
6	2	1/2	"	"				
7	2	1/2	S by S W	N. S. W.				Painted ship outside
8	2	1/2	"	"				from rails to water
9	2	1/2	"	"				all around also
10	2	1/2	"	"				30-08
11	2	1/2	"	"				cleaning capstans, anchors
12	2	1/2	"	"				and other iron work.
1	2	1/2	"	"				
2	2	1/2	"	"				Sailmakers at awning
3	2	1/2	"	"				and altering masts and
4	2	1/2	"	"				
5	2	1/2	"	"				carpenters caulking rails
6	2	1/2	"	"				and oiling aloft. trusses, shears,
7	2	1/2	"	"				also hinges of doors and ports.
8	2	1/2	"	"				Act. bar. working on hatch
9	2	1/2	"	"				house.
10	2	1/2	"	"				
11	2	1/2	"	"				23 Days at sea
12	2	1/2	"	"				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
60					18-58				35-13W.

Journal from Baltimore towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.
						Air.	Water.	
1	2		S by S W	N. S. W.				Sunday Oct 23-1898
2	2		"	"				Begins with light
3	2		"	"				buzzing air.
4	2		"	"				Mid. breezing up.
5	2		"	"				
6	2		"	"				
7	2		"	"				Day ends moderate
8	2		"	"				breeze and fine.
9	3		S by S W	N. S. W.				30-08
10	3		"	"				
11	3		"	"				
12	4		"	"				24 Days at sea
1	6		S by S W	N. S. W.				Hatches off for ventilation
2	6		"	"				Light strictly attended
3	6		"	"				
4	6		"	"				Men on lookout forward
5	7		"	"				and amidships
6	7		"	"				
7	7		"	"				Pumps sounded
8	7		"	"				twice a day ship
9	7		"	"				keeps perfectly tight.
10	7		"	"				
11	7		"	"				
12	7		"	"				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
109					17-21N. 16°W.				34-24W.

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.
						Air.	Water.	
1	5		S by S W	N. S. W.				Monday Oct 24-1898
2	5		"	"				Light to moderate
3	5		"	"				buzzes and fine
4	5		"	"				weather throughout.
5	6		S by S W	N. S. W.				
6	6		"	"				
7	6		"	"				9 P. M. Spec. Alt. Star
8	6		"	"				Fomalhaut gives lat.
9	6	1/2	S. S. W.	"				30-03 16°32.
10	6	1/2	"	"				
11	6	1/2	"	"				Crew employed cleaning
12	6	1/2	"	"				scruws and other iron
1	8		"	"				work.
2	8		"	"				
3	8		"	"				carp. caulking rails.
4	8		"	"				
5	8		"	"				Act. carp. working on
6	8		"	"				hatch house.
7	8		"	"				
8	8		"	"				
9	6		S by S W	N. S. W.				25 Days at sea
10	6		"	"				
11	6		"	"				
12	6		"	"				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
158					14-51N. 15°W.				34-34W.

Journal from Baltimore towards San Francisco.

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	6		S by N	SE by E					Light to moderate breeze and fine weather throughout.	Tuesday	Oct 20-1898
2	6										
3	6										
4	6										
5	5 1/2		S by N	SE by E					Crew cleaning & painting ironwork aloft.		
6	5 1/2		S by E	SE by S							
7	6										
8	6										
9	7								Carpenter caulking iron on top of rail.	29.98	
10	7										
11	7 1/2								Set carp. working on hatch-house.		
12	7 1/2										
1	6								Sailmakers altering mast crabs.		
2	6										
3	6										
4	6										
5	7										
6	7										
7	7										
8	7										
9	7										
10	7										
11	7										
12	8										

26 Days at sea

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in. Lon. by Ob.

169

12° 10' N. 12° 04'

14° 0'

33° 55' 34" 0' 23" W

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	7 1/2		S by E	SE by E					Moderate breeze and fine weather throughout.	Wednesday	Oct 26-1898
2	7 1/2										
3	7 1/2										
4	7 1/2										
5	7 1/2								Crew employed cleaning iron, painting masts, topmast leads to deck with graphite.		
6	7 1/2								making mats for foot of rails etc.	29.97	
7	7 1/2										
8	7 1/2										
9	8 1/2								Sailmakers altering mast-crabs, began to make new main royal.		
10	8 1/2										
11	8 1/2										
12	8 1/2										
1	8 1/2		S by E	SE by E					Carpenter fixing main top-galut mast, backstays squashing masthead.		
2	8 1/2								Set carp. finished building hatch house.		
3	8 1/2										
4	8 1/2										
5	9										
6	9										
7	9										
8	9										
9	8										
10	8										
11	8										
12	8										

27 Days at sea

Current 1/2 S by E - 12 miles

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in. Lon. by Ob.

Obs. 202. 198. 24.

9° 10' 9° 04'

32° 30'

32° 40' W

Journal from Baltimore towards San Francisco.

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	7 1/2		SSE	East.					Begin with moderate breeze and fine.	Thursday	Oct 27-1898
2	7 1/2										
3	6										
4	6										
5	6								6 P.M. Rain squall which killed the wind, stence to noon light breeze & light air.		
6	6									29.96	
7	2 1/2		SSE	SE							
8	2 1/2										
9	2 1/2										
10	2 1/2										
11	2 1/2								Crew scrubbing paint work.		
12	2 1/2										
1	3		SSE	East					Carpenter caulking iron rail.		
2	3										
3	3										
4	3										
5	4								Sailmakers at new royal.		
6	4										
7	4										
8	4										
9	3 1/2		S by E								
10	3 1/2										
11	3 1/2										
12	3 1/2										

28 Days at sea

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in. Lon. by Ob.

91-

7° 52' N.

31° 47' W

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	3 1/2		South	SE					Friday Oct 28-1898.		
2	3 1/2								Until 8 P.M. light breeze stence to noon light baffling air, rain squalls and calms.		
3	3 1/2										
4	3 1/2										
5	3 1/2										
6	3 1/2										
7	4										
8	4										
9	1 1/2								Crew scrubbing paint.	29.94	
10	1 1/2										
11	1 1/2								Carpenter caulking rail.		
12	1 1/2										
1	1 1/2										
2	1 1/2										
3	1 1/2										
4	1 1/2										
5	1 1/2										
6	1 1/2										
7	1 1/2										
8	1 1/2										
9	1 1/2										
10	1 1/2										
11	1 1/2										
12	1 1/2										

Baffling around the compass

29 Days at sea

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in. Lon. by Ob.

48

7° 09' N. 16° W.

31° 26' W

Journal from Baltimore, Md. towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.
						Air.	Water.	
1	2	1/2	St. W. S. E.					Light air with rain squalls throughout.
2	2	1/2						
3	2	1/2						
4	2	1/2						
5	2	1/2						
6	2	1/2	S. W. S. E.					4 A. M. Tacked ship to Eastward.
7	2	1/2						8 A. M. Tacked ship to Westward.
8	2	1/2						
9	2	1/2						
10	2	1/2						
11	1/2	1/2						29.96
12	2	1/2						Brush scrubbing paint.
1	2	1/2	S. W. S. E.					Carpenter caulking rails etc.
2	2	1/2						
3	2	1/2						
4	2	1/2						
5	2	1/2	East					30 Days at sea.
6	2	1/2						8.40 P. M. Obs. moon = Low 31.25
7	2	1/2						Star. Fomalhaut lat. 6.43
8	2	1/2						10.20 " " Star. Regel = Low 31.25
9	2	1/2	S. W. S. E.					10.40 " " Simultaneous obs. stars.
10	2	1/2						Regel and Capella position as follows.
11	2	1/2						Lat. 6.35 N. Low 31.24
12	2	1/2						4.30 A. M. Mer. alt. Sirius gave lat. 6.24 1/2 N.
								5.12 " " Moon Obs. = Low 31.23 1/2 E. Easterly current 1/4.

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
60					6° 18' N.	16° W.			31° 10' W.

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.
						Air.	Water.	
1	4		South	S. E.				Light baffling winds with occasional squalls.
2	4							
3	4		to	to				
4	4		S. W.	S. E.				
5	4							
6	4							
7	4							
8	4							
9	4							
10	4							
11	4							
12	4							
1	4							
2	4							
3	4							
4	4							
5	4							
6	4							
7	4							
8	4							
9	4							
10	4							
11	4							
12	4							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
96					4° 44'	16° W.			30° 54' W.

Journal from Baltimore towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.
						Air.	Water.	
1	4		S. W. S. E.					Moderate to light breeze and squalls throughout the day.
2	4							
3	4							
4	4							
5	4							
6	4							Carpenter employed at odd jobs.
7	4							
8	4							
9	2							Brush scrubbing paint.
10	2							
11	2							
12	2							
1	4							29.98
2	4							10 A. M. Think we have beginning of S. E. trades.
3	4							
4	4							
5	5							
6	5							
7	5							
8	5							
9	5							
10	5							
11	5							
12	5							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
96					3° 15' N. 16° W.				31° 26' W.

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.
						Air.	Water.	
1	4	1/2	S. W. S. E.	S. E. by S. W.				Light to moderate breeze and squalls. Hauling down light stays all in squalls and setting them up over.
2	4	1/2						
3	4	1/2						
4	4	1/2						
5	4	1/2						
6	4	1/2						
7	4	1/2						
8	4	1/2						
9	5							
10	5							10 A. M. Tacked to Eastward.
11	5							
12	5							
1	6							Brush scrubbing paint.
2	6							Carpenter caulking iron rail & odd jobs.
3	6							
4	6							
5	6							
6	6							
7	6							
8	6							
9	6		S. W. S. E.	S. E. by S. W.				
10	6		East	S. E.				
11	6							
12	6							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
128					1° 17' N. 16° W.				32° 08' W.

Journal from Baltimore, Md towards San Francisco.

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	6		E by S.	SSE					Push to moderate	Wednesday	Nov 2 - 1898
2	6		"	"					hugs and cloudy		
3	6		"	"					weather. confused sea,		
4	6		"	"					ship sailing very close to		
5	6		"	"					the wind.		
6	6		"	"							
7	6		"	"							
8	6		"	"							
9	7		"	"					Crew scrubbing paint		
10	7		"	"					and other work.		
11	7		"	"						29.88	
12	7		"	"					Carpenter caulking and		
1	7		East	"					cementing rails.		
2	7		"	"					Sailmakers working		
3	7		"	"					at royal.		
4	7		"	"					Current N. W. 15 miles		
5	6		"	"							
6	6		"	"							
7	6		"	"							
8	6		"	"							
9	6		"	"							
10	6		"	"							
11	5		"	"							
12	5		"	"							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
150					2° 11' N.	16° 30' W.			30° 58'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	8		E by South	SE					Push to moderate	Thursday	Nov 3 - 1898
2	8		"	"					hugs and cloudy		
3	8		"	"							
4	8		"	"					Middle & latter part light		
5	4		"	"					hugs.		
6	4		"	"							
7	4		SW by W.	SE					Tracked ship 6 P.M. to West		
8	4		"	"					12. " East		
9	5		"	"					10 A.M. West		
10	6		"	"						29.92	
11	6		"	"							
12	6		E by S.	"					Crew scrubbing paint		
1	6		"	"							
2	6		"	"					Carpenter caulking		
3	6		"	"					left iron & wooden pin-		
4	5		"	"					rails.		
5	5		"	"					Signalled Mexican Steamer		
6	5		"	"					bound north.		
7	5		"	"					35 Days at sea.		
8	5		"	"							
9	4		E by S.	SSE					20 miles Southerly current		
10	4		"	"							
11	4		"	"							
12	4		"	"							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
120				2°-03	2°-23' N.	16°-30' W.			29°-50-29°-50' W.

Journal from Baltimore, towards San Francisco.

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	3	1/2	N. by E. South	"					Light airs to light	Friday	Nov 4 - 1898
2	3	1/2	"	"					blues, fine weather		
3	3	1/2	"	"					with occasional		
4	3	1/2	"	"					rain squalls.		
5	3	1/2	"	"							
6	3	1/2	"	"					Current N. 28° W. 22 miles		
7	4	1/2	"	"							
8	4	1/2	"	"							
9	4		"	"					Crew employed		
10	4		"	"					smoothing iron		
11	4		"	"					and painting		
12	3		"	"					bulwarks.		
1	4		SW by N.	SE					Carpenter caulking		
2	4		"	"					pin-rail.		
3	4		"	"							
4	5		"	"							
5	5		"	"							
6	5		"	"							
7	5		"	"							
8	5		"	"							
9	5		"	"							
10	5		"	"							
11	5		"	"							
12	5		"	"							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
106				1°-03	1°-22' N.	17°-0' W.			31°-06-31°-16' W.

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	4		SW by N.	SSE					Light to moderate	Saturday	Nov 5 - 1898
2	4		"	"					hugs and fine		
3	4		"	"					weather.		
4	4		"	"							
5	4		"	"					Crew smoothing and		
6	4		"	"					painting bulwarks houses		
7	4		"	"					catchcombs etc.		
8	4		"	"							
9	4		SW by N.	SE							
10	4		"	"					29.94 Carpenter caulking		
11	4		"	"					pin-rail		
12	4		"	"							
1	6		SW by S.	SE					Current. North 17 miles.		
2	6		"	"							
3	6		"	"							
4	6		"	"							
5	6		"	"							
6	6		"	"							
7	6		"	"							
8	6		"	"							
9	6		"	"							
10	6		"	"							
11	6		"	"							
12	6		"	"							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
120				0°-26	0°-09' N.	16°-30' W.			32°-08-32°-08' W.

Journal from Baltimore towards San Francisco.

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	5		S 1/2 W	SE					At 1 P.M. Tacked ship to	Sunday	Nov 6 - 1898
2	5		SE	"					Eastward.		
3	5		"	"					At 6 P.M. Tacked ship to West		
4	5		"	"					Begins light breeze		
5	5		"	"							
6	5		"	"							
7	5		S 1/2 W	"							
8	5		"	"							
9	5		"	"					29.95 Ends fresh breeze & fine		
10	5		"	"					weather.		
11	5		"	"					Current at 20 miles		
12	4		"	"							
1	8		"	"							
2	8		"	"							
3	8		"	"							
4	8		"	"							
5	7	1/2	S 1/2 W	SE					38 Days at sea		
6	7	1/2	"	"							
7	7	1/2	"	"							
8	7	1/2	"	"							
9	8		"	"							
10	9		"	"							
11	9		"	"							
12	9		"	"							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
159				1° 58' N	1° 38' N	17° W		32° 52'	32° 53' W

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	7		S 1/2 W	SE					Monday Nov 7 - 1898		
2	8		"	"					Fresh breeze and fine		
3	8		"	"					weather for the day.		
4	8		"	"							
5	8		"	"					At 6 A.M. Passed the		
6	8		"	"					Rocas, at about 10 miles to		
7	8		"	"					the westward of Island.		
8	8		"	"							
9	7	1/2	S 1/2 W	SE					Current strong westerly.		
10	7	1/2	S 1/2 W	SE					29.92 Carpenter fixing bridge.		
11	7	1/2	S 1/2 W	SE							
12	7	1/2	S 1/2 W	SE							
1	8		S 1/2 W	"					Curr cleaning iron. paint-		
2	8		"	"					ing masts outside chart		
3	8		"	"					& wheel house & etc		
4	8		"	"					Sail maker working at rigging		
5	8	1/2	S 1/2 W	SE							
6	8	1/2	"	"							
7	8	1/2	"	"							
8	8	1/2	"	"							
9	8		S 1/2 W	SE					39 Days at sea.		
10	8		"	"					Steward laid up.		
11	8		"	"							
12	8		"	"							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
189				4° 35' N	15° 24'			34° 10'	

Journal from Baltimore, Md. towards San Francisco.

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	6	1/2	S 1/2 W	SE					Tuesday Nov 8 - 1898		
2	6	1/2	SE	"					Fresh to moderate breeze		
3	6	1/2	"	"					and fine weather.		
4	6	1/2	"	"					10 P.M. Tacked to Eastward		
5	6	1/2	"	"					7 " " " West		
6	6	1/2	"	"					9 & 10 Lighted land to be seen		
7	7	1/2	"	"					10 " Tacked to Eastward		
8	7	1/2	S 1/2 W	"							
9	7	1/2	"	"					29.92 Current employed painting		
10	7	1/2	"	"					and cleaning iron work.		
11	7	1/2	"	"							
12	7	1/2	"	"							
1	7	1/2	"	"					Carpenter working at		
2	7	1/2	"	"					Lag. - hatch coverings and		
3	7	1/2	"	"					smoothing holes in rails		
4	7	1/2	"	"					for hatch.		
5	7	1/2	"	"							
6	7	1/2	"	"					Martin Gardner acting		
7	7	1/2	"	"					as steward, as steward is		
8	7	1/2	"	"					sick.		
9	7	1/2	"	"							
10	7	1/2	"	"					W. H. Current 12 miles		
11	7	1/2	East	"					40 Days at sea.		
12	7	1/2	"	"							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
167	167 miles.			6° 15'	6° 07'			34° 26'	34° 26' W

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	6	1/2	East	SE					Wednesday Nov 9 - 1898		
2	6	1/2	"	"					Moderate breeze to fresh.		
3	6	1/2	"	"					& fine weather.		
4	6	1/2	"	"					Midnight Tacked to S.W.		
5	6	1/2	"	"							
6	6	1/2	"	"					8 A.M. Passed big		
7	7	1/2	"	"					29.92 bound came away.		
8	7	1/2	SE	SE							
9	5		SE	SE					Carpenter fixing gratings		
10	5		"	"					on ventilators & fine hatch		
11	5		"	"					also Lag. - hatch.		
12	5		"	"							
1	5		S 1/2 W	SE					Curr cleaning & painting		
2	5		"	"					iron & bare hull marks		
3	5		"	"					another coat of Graphite.		
4	5		"	"							
5	5		"	"					Current - N. by E 12 miles		
6	5		"	"							
7	5		"	"					41 Days at sea		
8	5		"	"							
9	5		S 1/2 W	SE					Steward laid up.		
10	5		"	"							
11	5		"	"							
12	5		"	"							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
129				7° 00'				34° 49'	

Journal from Baltimore towards San Francisco.

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.	day of	18
						Air.	Water.		Thursday	Nov 10-1898
1	5	1/2	S 1/2 W	O.S.E.				Light to moderate breeze and fine weather for the day.		
2	5	1/2						Current westerly 2 miles.		
3	5	1/2						Carpenter finished Lay-hatch & making Forepeak hatch.		
4	5	1/2	S.S.W. 1/4 E	SE						
5	6									
6	6									
7	6									
8	6		Sy. W. 1/2 E	SE						
9	6									
10	6									
11	6									
12	6									
1	6									
2	7									
3	7									
4	7									
5	7									
6	7									
7	7									
8	7									
9	7		S.S.W.	SE						
10	7									
11	7									
12	7									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
153						90° 34'	15° 00'		34° 10'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.	day of	18
						Air.	Water.		Friday	Nov 11-1898
1	6		Sy. W. 1/2 E	O.S.E.				Begins light breeze.		
2	6							Middle & latter part moderate.		
3	6							Crew painting chains and other iron-work.		
4	6		Sy. W.					2 men 1/2 day planing main deck, they are making very little progress.		
5	7									
6	7									
7	7	1/2								
8	7	1/2								
9	9									
10	9									
11	9									
12	9									
1	9									
2	9									
3	9									
4	9									
5	9									
6	9									
7	9									
8	9									
9	8	1/2								
10	8	1/2								
11	8	1/2								
12	8	1/2								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
150	196			12° 48'	13° 04'			34° 06'	34° 12'

Journal from Baltimore towards San Francisco.

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.	day of	18
						Air.	Water.		Saturday	Nov 12-1898
1	6		Sy. W. 1/2 E	SE				Light breeze and fine weather throughout.		
2	6							Carpenter making leaders' clats for fore-top gaffmast head rigging squashing down.		
3	6									
4	6									
5	6									
6	6									
7	6									
8	6									
9	6									
10	6									
11	6									
12	6									
1	6									
2	6									
3	6									
4	6									
5	6									
6	6									
7	6									
8	6									
9	6									
10	6									
11	6									
12	6									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
144				15° 29'	15° 29'			34° 20'	34° 29'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.	day of	18
						Air.	Water.		Sunday	Nov 13-1898
1	4	1/2	Sy. W.	SE				Light air to light breeze & fine weather.		
2	4	1/2						10 M. Lighted back ahead round pass way.		
3	4	1/2						6 P M. Passed back.		
4	4	1/2								
5	4	1/2								
6	4	1/2								
7	4	1/2								
8	4	1/2								
9	4	1/2								
10	4	1/2								
11	4	1/2								
12	4	1/2								
1	4	1/2								
2	4	1/2								
3	4	1/2								
4	4	1/2								
5	4	1/2								
6	4	1/2								
7	4	1/2								
8	4	1/2								
9	4	1/2								
10	4	1/2								
11	4	1/2								
12	4	1/2								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
149	108			17° 45'	17° 24'			34° 25'	34° 30'

Journal from Baltimore towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	5	1/2	Sby N 1/4 E	East					Monday Nov 14 - 1898.		
2	5	1/2		to					Light breeze and fine		
3	5	1/2		N. E.					weather.		
4	5	1/2									
5	5	1/2							beer planing decks, paint-		
6	5	1/2							ing yards etc.		
7	5	1/2							carpenter working at		
8	5	1/2							boat shields.		
9	5	1/2									
10	5	1/2							Steward laid up again.		
11	5	1/2									
12	5	1/2							6 P. M. Coming up rapidly		
1	5	1/2							on ship board same way.		
2	5	1/2									
3	5	1/2									
4	5	1/2									
5	5	1/2									
6	5	1/2							46 Days at sea.		
7	5	1/2									
8	5	1/2							2 P. M. southerly current.		
9	5	1/2									
10	5	1/2									
11	5	1/2									
12	5	1/2									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
132				19° 32'	19° 44'			34° 30'	34° 30'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	7		Sby N 1/4 E	N. E.					Tuesday Nov 15 - 1898.		
2	7								Moderate breeze through-		
3	7								out.		
4	7										
5	7								beer planing decks, paint-		
6	7								ing yards and chains.		
7	7										
8	7										
9	7		N. S. W.								
10	7								29.92 Carpenter straightening		
11	7								and moving boat shields.		
12	7										
1	8		S. S. W.						Martin Gardner building		
2	8								boilers in Lag.		
3	8		S. W. by W.						Steward laid up.		
4	8										
5	8										
6	8										
7	8										
8	8										
9	8										
10	8								47 Days at sea.		
11	8										
12	8										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
180				22° 25'				34° 30'	34° 30'

Journal from Baltimore towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	8		S. W. by W.	N. E.					Wednesday Nov 16 - 1898.		
2	8								Begins moderate to		
3	8								fresh breeze & fine		
4	8								weather.		
5	8										
6	8								Mid. Wind increasing,		
7	8								heavy sea from S. W.		
8	8										
9	9								4 A. M. Thick and raining,		
10	9								weather looking threatening.		
11	9										
12	9								6 A. M. Hurled light stay sails		
1	10								& staysails.		
2	10								6:30 In royals.		
3	10								8 A. M. Moderating, weather		
4	10								clearing, set royals.		
5	10								8:30 set all sail.		
6	10										
7	9		S. S. W.	N. W.					Noon tacked ship to Westward,		
8	5										
9	5								48 Days at sea.		
10	5		S. by S.	S. W. by S.					Steward laid up.		
11	5										
12	5										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
188				25° 07'	25° 08'			36° 56'	36° 56'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	7		N. S. W.	S. by E.					Thursday Nov 17 - 1898.		
2	7								Begins moderate breeze		
3	7								heavy southerly sea.		
4	7										
5	8								4 P. M. Wind increasing.		
6	8										
7	8								Ends - moderating, sea		
8	8								going down.		
9	10								29.99 beer planing decks		
10	10								painting masts and		
11	10								yards.		
12	10										
1	10								Carpenter caulking		
2	10								chart-house deck.		
3	10										
4	10								Northerly current.		
5	9										
6	9										
7	9										
8	9								49 Days at sea.		
9	8	in							Steward laid up.		
10	8	in									
11	8	in									
12	8	in									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
210				26° 34'				40° 12'	40° 12'

Journal from Baltimore towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	5		S by N. S by S						Begins light breeze, fine weather.	Friday	Nov 18 - 1898
2	5										
3	5										
4	5										
5	5								4.2 M. Breezing up.		
6	5								Ends strong breeze & heavy head sea.		
7	5										
8	5										
9	5										
10	5								30:02. Carpenter caulking poop deck.		
11	5										
12	5										
1	5								Crew working about sails and rigging also cleaning & painting in fore part.		
2	5										
3	5										
4	5										
5	7								Westerly current.		
6	8										
7	9								Steward laid up.		
8	10										
9	10										
10	10										
11	10										
12	10										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
157				28° 22'	28° 18'			42° 12'	42° 23'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	10		S by N. S E						Begins with strong breeze and heavy S. W. sea, ship pitching heavily.	Saturday	Nov 19 - 1898
2	10										
3	11										
4	11										
5	11										
6	10										
7	10		S W						8.0 M. Wind increasing, ship pitching more under, took in top. Glt staysails, jib topsail and staysails.		
8	10										
9	10										
10	10		S W 3/4 S						30:12		
11	10								30:17		
12	10								Midnight. Wind hauling free, inclined to moderate, but all sail.		
1	9								4.2 M. Took heavy sea on bow sweeping everything off fore-castle.		
2	9										
3	10										
4	10										
5	9		S W 3/4 S	E S E					Ends moderating, head sea going down.		
6	9								Carpenter caulking poop deck.		
7	9										
8	9								Crew at work aloft & scraping & painting in fore part.		
9	9			East					N. N. W. Current. 15 miles.		
10	9								Steward laid up.		
11	9										
12	9										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
233				31° 27'	31° 20'			44° 52'	45° 14'

Journal from Baltimore towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	7		S W 3/4 S	East					Begins with moderate breeze & fine	Sunday	Nov 20 - 1898
2	7										
3	7										
4	7										
5	7								Middle of latter part fine & light breeze.		
6	7										
7	7										
8	7										
9	6			N by E					Current at 59° N. 17 miles.		
10	6								30:06		
11	6										
12	6								Steward turned to.		
1	6										
2	6										
3	6										
4	6										
5	6										
6	6										
7	6										
8	6										
9	6										
10	6		S S W	N E							
11	6										
12	6										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
152				33° 22'	33° 14'	2° N.		46° 59'	47° 16'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	5		S W	N					Began with light wind and cloudy.	Monday	Nov 21 - 1898
2	5										
3	5										
4	5										
5	5		S W 3/4 S						29:33		
6	5								Ends with increasing breeze & thick & raining.		
7	6										
8	6										
9	6		S S W								
10	6										
11	6										
12	6			N by E							
1	6										
2	6										
3	6										
4	6		S W 1/2 N	N							
5	6										
6	6										
7	6										
8	6			N by E					29:78		
9	8		S W 1/2 S						29:71		
10	8										
11	8		S S W								
12	8		S W 1/2 N						29:68		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
145				35° 10'	35° 10'			48° 57'	

Journal from Baltimore, Md. towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	9		SW	NW				29.63	Begins with fresh breeze	Thursday Nov 22.	
2	9								thick threatening weather.		
3	8							29.53	expect shift of wind to S.W.		
4	6							29.52	3 P.M. In skysails & light staysails		
5	6							29.51	4- furl'd royals.		
6	6		SW	NW				29.52	5- fur & my top-gallsails		
7	4							29.57	7- Main top-gallant & flying jib		
8	0							29.57	Wind died out entirely		
9	11							29.64	8 P.M. Came out S.E. New ship to W. mark.		
10	12								wind increasing rapidly.		
11	13		N.W.	S.E.				29.69	8.30 set fur & main top-gallsails & fly-jib		
12	13								10 P.M. Howling strong heavy con-		
1	8		N.W.	S.E.				29.74	fused sea.		
2	8							29.74	11 P.M. Hard squall, furl'd fur		
3	8								top-gallsail		
4	8							29.79	Mild - Moderating some, set fur top-jib		
5	9								1.30 set my top-gallsail.		
6	8								4 A.M. Set royals. wind moderating fast.		
7	8		N.W.	S.W.					Day ends moderate breeze, all sail set.		
8	8								54 days at sea.		
9	7										
10	7										
11	7										
12	7							29.90			

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
190				36-20	36-06			52-27	52-27

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	7		N.W.	S.W.					Begins with light air to	Wednesday Nov 23.	
2	7								light breeze.		
3	7								7 P.M. Died out calm		
4	7								Light air from North.		
5	6										
6	3								Ends fresh breeze and		
7	1								cloudy weather.		
8	1		SW	NW					S.E. current.		
9	1										
10	1								Carpenter working at		
11	1	1/2							Boat skids.		
12	1	1/2									
1	2								Our planing deck, cleaning		
2	2								& painting fore peak & roll-		
3	2	1/2							ing aloft.		
4	5	1/2									
5	7	1/2									
6	7	1/2									
7	7	1/2									
8	7	1/2									
9	8	1/2									
10	8	1/2									
11	8										
12	8										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
123				37-43				53-54	

Journal from Baltimore towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	9		SW	SW					Begins fresh breeze & cloudy.	Thursday Nov 24.	
2	10								all sail set.		
3	11										
4	11										
5	10								8 P.M. Wind jumped		
6	10								suddenly into S.W. taking		
7	10								ship flat aback, let go		
8	9								skysail & royal halliards.		
9	9								only lasted thru about		
10	8								5 mins. when it hauled		
11	8								back again set royals		
12	8								furl'd skysails.		
1	8								10 P.M. setting in thick		
2	8								raining.		
3	8								Midnight very dark look-		
4	8								ing, weather lightning in		
5	8								S.W. furl'd royals.		
6	8								2 A.M. Very threatening weather		
7	8								furl'd fur top-gallsail.		
8	8		S.E.	SW					4 P.M. set fur top-gallsail.		
9	7								8 A.M. Shifted into S.W. more		
10	7								moderate than expected.		
11	7								S.E. current.		
12	7								56 Days at sea.		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
195				40-28	40-08			56-02	55-42

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	6		SE	SW					Begins moderate breeze & fine	Friday Nov 25.	
2	6								at all sail.		
3	6								Midnight weather looking bad.		
4	6								1 A.M. Took in skysails & light		
5	6		SE	SW					staysails		
6	6								1.30 Heavy squall, let go royal		
7	6		SE	SW					& top-gallant halliards furl'd royals		
8	6								set top-gallant sail		
9	6		South	N.W.					29.53 3 A.M. Weather looking worse squalls		
10	6			N.W.					coming harder, lightning in S.W.		
11	6								furl'd top-gallsails, mainsail		
12	6								crossjack spanker & outer jib.		
1	6								5 A.M. set spanker.		
2	6								29.44 Day ends strong wind and		
3	6								hard squalls, wind increasing.		
4	6										
5	4		SE	SW							
6	4								57 Days at sea.		
7	4										
8	4										
9	6										
10	6										
11	6										
12	6										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
141				42:20	42:17	S. 8° E.		55:05	54-55

Journal from Baltimore towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer.		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	6	1/2	SE by S 41.	SW by N.	1/2 pt.				Saturday Nov 26		
2	6	1/2	"	"	"				1. P. M. Wind increasing,		
3	6	1/2	"	"	"				squalls coming very hard,		
4	6	1/2	"	"	"				furled upper topsails.		
5	6	1/2	"	"	"				3. P. M. Set Reefed main sail		
6	6	1/2	"	"	"				midnight. Moderating, some what		
7	6	1/2	"	"	"				squalls still coming hard with		
8	6	1/2	"	"	"				29:55 hail & sleet.		
9	5-		SE	"	"				4. A. M. Set Upper main topsail.		
10	5-		"	"	"				Day ends very squally		
11	5-		"	"	"				heavy sea running.		
12	5-		"	"	"				29:59		
1	5-		"	"	"				Crew variously employed		
2	5-		"	"	"				planing decks to leeward of		
3	5-		"	"	"				housed.		
4	5-		"	"	"				Current to N.E. about 19 miles.		
5	5-		"	"	"						
6	5-		"	"	"						
7	5-		"	"	"						
8	5		"	"	"						
9	4	1/2	"	"	"				58. Days at sea		
10	4	1/2	"	"	"				29:63		
11	4	1/2	"	"	"						
12	4	1/2	"	"	"				29:65		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
130				44-48-56	44-48-56	34 pt. E. 1/2 pt. E.	53-55-53-49		
H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.	day of
1	5-		S 8/8 S W	S 2/4	1 pt.	Air.	Water.		18
2	6-								
3	4								
4	4								
5	4								
6	4								
7	4 1/2		N 1/2 W	SW 1/2 S					
8	4 1/2								
9	7								
10	7								
11	7								
12	7								
1	7								
2	7								
3	7								
4	7								
5	6								
6	6								
7	6								
8	6								
9	6								
10	6								
11	6								
12	7								
140				43-06	43-13			55-50	53-57

Journal from Battemou, via towards San Francisco.

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	5		S.W. by W. S.W.						Monday Nov 28 -		
2	2		S.W. by W.						Begins huge drying		
3	1		"						out.		
4	1		"						30.11 4.56 - Faint air from		
5	1		"						Southward. no ship		
6	1		S.W. by E. S.W.						to S.W.		
7	3		"								
8	6		"						30.09 Midnight fresh breeze		
9	9		"								
10	10		"								
11	10		"						Ends fresh breeze & fine		
12	10		"						weather.		
1	10		"								
2	10		"						29.97 Crew working about		
3	10		"						rigging, planing deck		
4	10		"						etc.		
5	10		"								
6	10		"								
7	10		"						60 Days at sea		
8	10		"						29.81		
9	9		"								
10	9		"								
11	9		"								
12	9		"								

Course.		Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by O.
		175			44°-16'	44°-28'	S. 12°30'E.	59°-32'	57°-15'	
H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer Air. Water.		Barometer.	REMARKS.	day of
1	9		S by N.	North				29:74	Tuesday Nov 29.	
2	10		S by N.	N. by N.					Begins fresh breeze and fine weather.	
3	10		"	"				29:65		
4	10		"	"					Middle, no change.	
5	10		"	"						
6	10		"	"						
7	10		S by N.	N. by N.				29:57	Ends wind beginning to die out.	
8	10		"	"						
9	10		"	"						
10	10		"	"				29:55	Carpenter fixing fore	
11	10		S by N.	West					five rail which is split	
12	10		"	"				29:52	under strain of lower	
1	10		"	"					topsail sheet, and after	
2	10		"	"				29:49	end raising up.	
3	10		"	"						
4	10		S by E	N. by N.				29:47	Crew working about rig	
5	10		"	"					planing decks etc.	
6	10		"	"						
7	10		"	"					61 Days at sea.	
8	10		"	"				29:44		
9	10		S by N.	West					Northerly current. 25-	
10	10		"	"						
11	10		S by N.	"						
12	9		"	"				29:41		

Journal from Baltimore towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	6		S by N 3/4 N	N by N					Begins light to moderate breeze and fine looking weather.	Wednesday	Nov 30 - 1848
2	6								11 P.M. carried away fore royal-mast which in the fall broke skysail & fore top-gallant yards. there was not wind enough to carry away a good mast the proof of which is the main barbed mygen stood with every thing set on stem.		
3	6								Wind increasing shortened sail to lower topsails & fore sail.		
4	6		SSW 1/2 W	NW 1/4 N					1.30 A.M. As the wreck up forward was hanging down to leeward, the sails flying so that could not get them snug up.		
5	6								now ship to westward which carried the wreckage to blow close into mast. Began at once to send it down.		
6	6		SSE	SW 1/4 N					but did not get royal & skysail yards down until noon.		
7	6	1/2							6 A.M. Passed ship bound to south.		
8	6	1/2							Ends strong breeze clear weather.		
9	6	1/2							62 Days at sea.		
10	6	1/2									
11	6	1/2									
12	6	1/2									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
120				48° 28'	48° 24'	15° E		63-40	63° 30' N

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	2		NW 1/4 W	SW	1 pt.				Begins strong breeze and clear, heavy southerly sea.	Thursday	Dec 1 - 1848
2	2								3 P.M. finished sending down wreck from forward. Now ship to southward and set all sail ship pitching heavily into southerly sea. Wind moderating fast.		
3	3		SE 1/4 S						Mid. night breeze and cloudy.		
4	3		SE 1/4 S	SW 1/4 N					8 A.M. Passed Br. ship which we sighted yesterday.		
5	3		SE 1/4 S	SW 1/4 N					Ends fresh to moderate breeze & cloudy thick mist with shift into S.W. again soon		
6	3		SE 1/4 S	SW 1/4 N					63 Days at sea		
7	3		SE 1/4 S	SW 1/4 N							
8	3		SE 1/4 S	SW 1/4 N							
9	3		SE 1/4 S	SW 1/4 N							
10	3		SE 1/4 S	SW 1/4 N							
11	3		SE 1/4 S	SW 1/4 N							
12	3		SE 1/4 S	SW 1/4 N							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
116				50° 08'	49° 56'	16° E		63° 58'	64° 02' N

Journal from Baltimore towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	7		SW 1/4 S	SW 1/4 N					Variable winds and changeable weather.	Friday	Dec 2 - 1848
2	7								throughout threatening another S. West.		
3	8								2 A.M. furled skysails and staysails.		
4	8								2.30 hugging on strong furled royals.		
5	8								4 A.M. Furled top-gallants & put reef in cross-jack.		
6	8		South	NW 1/4 S					8 A.M. Blowing strong ship during howl under		
7	8		SE 1/4 S	SW 1/4 N					into heavy southerly sea.		
8	9		SE 1/4 S	SW 1/4 N					11 A.M. Reel'd mainsail & furled spanker.		
9	9								Storm suddenly sea going down wind heaving to westward.		
10	9								1 days from 50° S.		
11	9								16 A Days at sea.		
12	9										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
125				52° 41'	52° 39'	17° E		64° 50'	64° 44' N

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	10		SE 1/4 S	NW 1/4 N					Begins with strong wind and threatening weather.	Saturday	Dec 3 - 1848
2	10		SE 1/4 S						9 P.M. Heavy rain falling in S.W. shortened sail to 3 lower topsails when the		
3	10								wind came out from S.W. but shortly afterwards died out.		
4	10								29:18 at same time sighted Staten Land bearing S.E. 40 miles.		
5	9								29:19 Midnight Light baffling mists backing into the wind.		
6	9								2 A.M. Made sail to glistening.		
7	9								8 A.M. Passed Cape St. Johns 29:14 2 miles off.		
8	9		SE 1/4 S	SW 1/4 N					10 A.M. Wind shifted into S.W. but without much force.		
9	8		SE 1/4 S	SW 1/4 N					Day ends light wind & fine. 3 vessels in company.		
10	7		SE 1/4 S	SW 1/4 N					65 days		
11	7		SE 1/4 S	SW 1/4 N					2 Days from 50		
12	7		SE 1/4 S	SW 1/4 N							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
160				54° 06'					

Journal from Baltimore towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.	day of	18
1	1									
2	1									
3	1									
4	1									
5	1									
6	1		SE 1/2 E	SS W.						
7	3									
8	4									
9	4		SE 1/2 E	SW 1/4 W.						
10	4									
11	4									
12	5									
1	4		SE 1/4 E	W 1/2 S						
2	4									
3	4									
4	4									
5	3		SE 1/4 E	SW 1/4 W.						
6	3									
7	3									
8	3									
9	5		SE 1/4 W.	West.						
10	5		SE 1/4 W.	South						
11	5									
12	5									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
78				55-53	55-53			63-30	63-12

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.	day of	18
1	6		West.	SS W.						
2	5									
3	5									
4	5									
5	7		W 1/4 E							
6	7									
7	7		W 1/4 E	SW 1/4 S						
8	6									
9	5									
10	4	1/2	SE 1/2 E		1/2 pt.					
11	4	1/2								
12	4	1/2								
1	4	1/2								
2	4	1/2								
3	4	1/2	W 1/2 E		1/2 pt.					
4	4	1/2								
5	4	1/2								
6	4	1/2								
7	4	1/2								
8	4	1/2								
9	4	1/2	W 1/2 E							
10	4	1/2								
11	4	1/2								
12	4	1/2								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
				55-18	17-9			64-14	

Journal from towards

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.	day of	18
1	4	1/4	SE by S 1/2 S	SE 1/4	1/2 pt.					
2	4	1/4								
3	4	1/4								
4	4	1/4								
5	4	1/4								
6	4	1/4			1 pt.					
7	4	1/2								
8	4	1/2			1 1/2 pt.					
9	3	1/2	SE 1/2 S	SW 1/4 W.						
10	3									
11	3									
12	3									
1	3									
2	3									
3	3		W 1/2 N 1/2 W.							
4	3									
5	3									
6	3									
7	3									
8	3									
9	3		W 1/2 N 1/2 W.	SW 1/4 W.						
10	3									
11	3									
12	3									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
80				55-31	17-30			63-40	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.	day of	18
1	3		W 1/2 N	SW 1/4 W.	1/4 pt.					
2	3		SE 1/2 E							
3	4									
4	4									
5	4									
6	4									
7	5		SE							
8	5									
9	5									
10	5									
11	5									
12	6									
1	4		SE 1/4 E							
2	5									
3	5									
4	5									
5	5									
6	5									
7	5									
8	5									
9	5		South	W 1/2 N.						
10	5									
11	5									
12	5									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
112				56-52	17-9			63-40	

Journal from Baltimore

towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	3		Sty N.	West					Begins with squally un-	Thursday	Dec 8-1898
2	3		"	"					settled weather		
3	3		"	"					4 P.M. Shook reef out of my		
4	3		"	"					topglitsail, set royals.		
5	3		"	"					8 P.M. Squalls increasing, furl		
6	3		"	"					royals		
7	4		Sty N. 1/2 N.	"					8 P.M. Strong squall, let go top-		
8	4		"	"					glitsail halliards, hoisted sheet		
9	4		St N. 1/2 E.	N. N. W.					up when over.		
10	4		"	"					29:35 Midnight furl'd my topglitsail		
11	5		"	"					wind increasing.		
12	5		Sty N.	West					Jan Lesnicky A.B. slipped		
1	4		"	"					off lee side my top glitsail yard		
2	4		"	"	1/2 pt.				and went over board, luffed		
3	4		"	"					ship into wind threw life buoy over		
4	4		South	N. S. W.					board, gave order to clear away lee		
5	3		"	"					of the boat. but he sank		
6	3		"	"					almost immediately.		
7	3		"	"					1:30. furl'd main topglitsail		
8	3		"	"					out to jib.		
9	4		N. N. 1/2 W.	Sty N.					2 A.M. Reefed topails, mainsail and		
10	5		"	"					crossjack. 9 A.M. thru to northward.		
11	5		"	"					Day ends blowing strong heavy squalls		
12	5		"	"							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
91				57° 39'	18° 8'			64° 09'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	6		N. N. 1/2 W.	St N.	1/2 pt.				Passed ship and back on other tack	Friday	Dec 9-1898
2	6		"	"					and to leeward. same vessel more		
3	6		"	"					10 miles to windward of us 3 days ago		
4	6		"	"					6 P.M. Blowing hard, equals very heavy		
5	6		"	"					with sleet and snow very heavy P.M.		
6	6		"	"					Ship carries her sail remarkably well.		
7	8		"	"					8 P.M. Cleared down topsails, hauled		
8	8		N. N. 1/2 W.	St N. 1/2 S.					up mainsail and crossjack & furl'd them		
9	3		"	"	1 1/2 pts				also jib main and my topmast staysails.		
10	3		"	"					Wind blowing hard gale		
11	3		"	"					9 P.M. Reefed foresail.		
12	3		"	"					Midnight. moderating some.		
1	2	1/2	N. N. 1/2 W.	S. S. W.					3 A.M. Reef out of foresail.		
2	2	1/2	"	"					4 A.M. Set Reefed topsails		
3	2	1/2	"	"					6 A.M. Set jib and staysails		
4	2	1/2	West	Sty N.	1/2 pt.				29:28 1. moderating fast, began to shake out		
5	3		"	"					reefs and set all sail.		
6	3		"	"					Ends light breeze and sea going down.		
7	3		"	"					71 Days at sea.		
8	3		"	"					8 Days from 50° S.		
9	4		N. N. 1/2 S.	South					W. Easterly current.		
10	4		"	"							
11	4		"	"							
12	4		"	"							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
102				56° 04'	18° E			65° 22'	

Journal from Baltimore

towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	3		Sty N. 1/2 W.	Sty E					Begins with light airs and fine.	Saturday	Dec 10-
2	3		"	"					3:30 P.M. Lighted Cape Horn bearing N by E.		
3	3		"	"					4 P.M. Sent up new fore top glit yard.		
4	3		"	"					did not get it across until 9 P.M.		
5	3		"	"					1 A.M. Began reeving gear for fore		
6	3		"	SE E					top glit sail.		
7	3		"	"					4 A.M. Bent sail but did not get all		
8	3		"	"					gear on before it began to pour.		
9	4		St	SE					10 A.M. Finally got fore top glit sail set.		
10	4		"	"					Have only 2 sailors amongst entire		
11	4		"	"					crew so he can do anything.		
12	4		"	"					10 A.M. Lighted Diego Caminez Is.		
1	6		"	"					bearing N. W. by W. Distance 20 miles.		
2	6		"	"					Wind moderating, weather		
3	7		"	"					clearing up.		
4	8		St N. 1/2 E.	East					72 Days at sea.		
5	8		"	"					9 Days from 50° S.		
6	8		St	SE E							
7	8		"	"							
8	8		"	"							
9	7		St N. 1/2 W.	SE					29:19		
10	7		"	"					29:16		
11	7		West	St N.					29:16		
12	7		"	"							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
127				56° 48'	56° 46'	20° E		69° 16'	69° 16'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	6		N. N. 1/2 W.	St N.					Begins with moderate breeze	Sunday	Dec 11-1898
2	6		"	"					and fine weather		
3	6		"	"					4 P.M. Wind increasing, furl'd		
4	7		"	"					royals. Passed steamer Mauritius		
5	7		N. W.	St N. 1/2 W.					bound East.		
6	8		"	"					6 P.M. Wind increasing, weather		
7	6		S E 1/2 S.	St N. 1/2 S.					looking very bad heavy snow squalls		
8	5		"	"	1/2 pt.				29:08 furl'd top glitsails. Now ship to		
9	4		S E 1/2 E	"					leewardward not caring to get		
10	4		"	"					too near the land.		
11	4		"	"					8 P.M. Reefed mainsail and crossjack.		
12	4		"	"	1 pt.				midnight Reefed upper topsails		
1	4		"	"					8 A.M. Now ship to leeward, shook		
2	4		"	"					out all reefs, got up steam to		
3	4		"	"					mast head topsails.		
4	4		"	"					28:97 Day ends blowing strong		
5	3		"	"					squally, heavy southerly sea.		
6	3		"	"					73 Days at sea		
7	3		"	"					10 Days from 50° S.		
8	3		N. S. W.	Sty E							
9	6		"	"							
10	6		"	"							
11	6		"	"							
12	6		"	"							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
119				56° 52'	57° 01'	21° E		69° 16'	69° 16'

Journal from Baltimore towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.	day of
Air.	Water.								18
1	10		S by W. S.S.E				29.05	Begins wind increasing, hard squalls with sleet and snow, ship making 10 knots under whole topsails	Monday Dec 12-1898
2	10		"						
3	10		"						
4	10		"				29.08	foresail reefed on mainail & crossjack, which I consider fine speed through a heavy sea.	
5	9		N.S.W.						
6	9		N.W.	S by E			29.14	4 P.M. Moderating, shook reef out of mainail and crossjack, set outer jib.	
7	8		"					6 P.M. Set top-gallants	
8	7		"						
9	7 1/2		"						
10	7 1/2		"				29.26	6.30 Set royals	
11	7 1/2		"					8 P.M. Set topsails.	
12	7 1/2		"					10.30 Passed bark bound East.	
1	5		N.W. N.W.	S.S.W.				Day ends light breeze & fine weather.	
2	5		"				29.26	Fished spanker boom, in securing it with lashing on forward end	
3	5		"					springing it again, set in another place although the lashing was only hauled hand tight by 2 men.	
4	5		"					This stick is only fit for fire work.	
5	4		"						
6	4		"						
7	4		"				29.30		
8	4		"						
9	4		N.W.	S.W.W.					
10	4		"						
11	4		"						
12	3		"						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
152				56° 18'	56° 13'	22° E		73° 42'	72° 44'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.	day of
Air.	Water.								18
1	5		N by W. N.W.					Begins light breeze and fine.	Tuesday Dec 13-1898
2	5		"				29.33	8 P.M. Tacked to southward.	
3	5		"					Mountains of Pat in sight distance 80 miles.	
4	5		"					10 P.M. Burying on fast, furl'd staysails, skysails and royals.	
5	5		N.W.	1"				12. In fore top gallsail	
6	5		"					1 P.M. furl'd main & mig top gallsail & flying jib.	
7	5		"						
8	5		S.S.W.	N.W.			29.36	4 P.M. Wind increasing, weather looking bad, blowing hard in the squalls. Reefed topails, mainsail & crossjack.	
9	6		S.W.W.	"			29.34		
10	6		S.W.W.	"			29.30	Day ends, weather looking better, wind more moderate.	
11	7		S.W.W.	N.W.					
12	8		S.W.W.	N.W.			29.27		
1	8		"						
2	8		"						
3	8		"						
4	8		"						
5	7		S.W.W.	N.W.	1/2 pt				
6	7		"						
7	7		"						
8	7		"						
9	7		"						
10	7		"				29.15		
11	7		"						
12	7		"				29.11		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
155				56° 20'	56° 30'	23° E		75° 16'	75° 11'

Journal from Baltimore towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.	day of
Air.	Water.								18
1	5		S.W.W.	N.W.W.	1/4 pt			1 P.M. Took reef out of topsails	Wednesday Dec 14-1898
2	5		"					4 P.M. Reef out mainsail.	
3	5		"					Wind blowing strong in squalls not so very much between.	
4	5		"					3 A.M. Weather looking very threatening in S.W. heavy black back rising.	
5	5		S.W.W.	N.W.W.					
6	5		"						
7	5		"						
8	5		"						
9	4		N by S.S.	N.W.			29.05	3.30 blew down topsails and hauled up mainsail.	
10	4		"					4 A.M. Hove ship to Northward and haul'd into South about	
11	4		"					29.02 same time. Set mainsail & crossjack	
12	4		"					5 P.M. Hoisted up topsails.	
1	5		"					7.30 A.M. let top gallsails follow by all sail.	
2	5		"						
3	5		"						
4	5		"						
5	5		N.W.	South				Day ends light breeze and fine weather, sea going down.	
6	6		"						
7	6		"						
8	6		"						
9	3		N.W.	S.W.					
10	3		"						
11	4		"						
12	4		"						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
113				56° 10'	56° 17'			73° 19'	72° 44'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.	day of
Air.	Water.								18
1	7		N.W.	S.S.W.				Moderate breeze and fine	Thursday Dec 15-1898
2	7		"					weather.	
3	7		"					10 P.M. Died out nearly calm	
4	7		"				29.11		
5	6		"					8 P.M. Wind increasing, beginning to snow.	
6	6		"						
7	6		"						
8	6		"						
9	4		"				29.16	11 A.M. Strong breeze, heavy north west sea still running which causes ship to pitch a great deal.	
10	4		"	South					
11	3		"				29.20	Furled skysails.	
12	3		"					11.30 In royals.	
1	3		"						
2	3		"						
3	3		"	E by S.				Noon Blowing strong thick snow storm.	
4	3		"				29.20		
5	3		"						
6	3		"						
7	2		"						
8	4		"						
9	9		"						
10	9		"						
11	10		"						
12	10		"						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
130				54° 22'		24° E		79° 25'	

Journal from Baltimore towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	10		N.N.W.	S.E.					Begins blowing gale, heavy rain.	Friday, Dec 16-1898	
2	10								furled mainsail crossjack		
3	10		N.W.	S.W.					fine and mig. glutsail.		
4	10								3 P.M. Moderating backing		
5	9		N.W.					29.12	to southward, set fore & aft		
6	9							29.17	sails which would draw		
7	10			S.W.					4 P.M. Set main sail, crossjack		
8	10							29.26	fine & mig. topglutsails		
9	9		N.N.W.	S.W.					6.30 Set royals and skysails		
10	9								9 P.M. Set light staysails		
11	9								Mid set. Spanker & gafftopsail.		
12	9										
1	5			N.W.					Day ends light airs and		
2	5							29.42	fine weather sea going		
3	5								down.		
4	5							29.48	78 Days at sea		
5	5								15 Days from 50° S.		
6	4							29.56			
7	4		West	N.W.							
8	4										
9	4										
10	4										
11	4										
12	4							29.60			

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
167				51° 35'	51° 33'	24° E		79° 42'	79° 35' 16"

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	4		N.W.	N.W.					Day begins light airs.	Saturday, Dec 17-1898	
2	4								2 P.M. Tacked to Westward		
3	2		N.W.	N.W.					shortly after dying out calm.		
4	2								Day ends with increasing		
5	1								haze from Westward.		
6	1/2										
7	1/2										
8	1/2							29.62	S.E. Current		
9	1/2										
10	1/2										
11	1/2							29.67	79 Days at sea		
12	1/2		West	N.W.					16 Days from 50° S.		
1	3										
2	3										
3	3										
4	3										
5	4										
6	4										
7	4										
8	4										
9	5										
10	5										
11	5										
12	5										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
64				50° 55' 20" E				80° 33' 14"	

Journal from towards

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	5		N.W.	N.W.					Begins with moderate breeze	Sunday, Dec 18-1898	
2	6								and heavy swell from Westward		
3	6		N.W.	N.W.					6 P.M. Breezing up, weather		
4	7								threatening. In topglutsails.		
5	9								7 P.M. In skysails		
6	10							29.61	8 P.M. furled royals.		
7	10		N.W.	N.W.					9 P.M. furled topglutsails. Flaring		
8	10							29.55	hard wind increasing very		
9	11		West	N.W.					rapidly. Heavy & turbulent sea		
10	10								which causes ship to dive bows		
11	8								under.		
12	7				1 pt.			29.37	10 P.M. In flying jib		
1	4		N.W.	N.W.				29.33	11 P.M. Began to take in and		
2	3								furled top sails mainsail & crossjack		
3	3								finished furling at 2 P.M.		
4	3								This is the storm, and most useless		
5	3								crew that I have ever been to sea		
6	3								with.		
7	3								Have 5 mms laid up and one lost		
8	3							29.32	which reduces our complement con-		
9	4		N.W.	N.W.					siderably.		
10	4				80 Days at sea			29.37	4 P.M. More moderate - set upper		
11	6		N.W.	N.W.	17 Days from				main top sail.		
12	6				50 km off.			29.38	8 P.M. furled top sails		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
144				50° 49' 20" E				84° 00'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	4		N.W.	N.W.					Begins blowing strong with the	Monday, Dec 19-1898	
2	7								29.47 2 P.M. Sea still running from		
3	8								Westward, which causes ship to		
4	10								dive very heavily, at times during lulls		
5	10								under, there is also another sea		
6	10								running from N.W.		
7	10		N.W.	N.W.					1 P.M. Set main topglutsail & flying jib		
8	10							29.68	3 P.M. Set fore and mig. topglutsails.		
9	9								4 P.M. Head sea going down some		
10	8								set royals.		
11	8								6 P.M. Set all sail.		
12	8							29.78	Midnight moderate breeze, sea going		
1	8								down.		
2	8								Ends moderate breeze and cloudy		
3	8								weather, N.W. sea still running.		
4	8		N.W.	N.W.					81 Days at sea.		
5	8										
6	8										
7	8										
8	8										
9	8										
10	8										
11	8										
12	8							29.97			

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
201				47° 46'	47° 42' 20" E			81° 55' 48" 42" N.	

Journal from Baltimore towards San Francisco.

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.	day of
						Air.	Water.		18
1	7		NNE	NNE				Moderate breeze and	Tuesday Dec 20-1898
2	7		"	"				cloudy weather, heavy	
3	7		"	"				smell from mistral.	
4	7		"	"			30.00		
5	7	1/2	"	"					
6	7	1/2	"	"					
7	7	1/2	"	"					
8	7	1/2	"	"					
9	6		"	"					
10	6		"	"					
11	6		"	"					
12	6		"	"					
1	6		"	"					
2	6		"	"					
3	6		"	"					
4	6		"	"					
5	6		"	"					
6	7		"	"					
7	7		"	"					
8	7		"	"					
9	5		"	"			30.13		
10	5	NNE	NNE	NNE					
11	5		"	"					
12	5		"	"			30.16		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
153				45° 30'	45° 25'	22° E		80° 00'	80° 00'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.	day of
						Air.	Water.		18
1	6		NNE	NNE				Wednesday Dec 21-1898.	
2	6		"	"				Begins increasing breeze	
3	6		"	"				12.30 backed ship to mistral.	
4	7		"	"				4 P.M. Wind increasing rapidly	
5	8		"	"				ship pitching considerably into S.W. sea.	
6	8		"	"			30.12	furled topgallant sail staysails	
7	10	NNE	NNE	NNE				5 P.M. In staysails.	
8	10		"	"			30.06	6 P.M. In royals. Main royal mast	
9	9		"	"				is showing decided signs of mak-	
10	6		"	"	1/2 pt		30.00	ing, the topgallant back stays have	
11	4		"	"				squashed into wood so much that	
12	4		"	"				it has weakened the mast a great	
1	4		"	"			29.94	deal, wood is doubtless just as poor	
2	4		"	"				as that in fore royal mast. Looks	
3	4		"	"				as though would have to make rest of passage without staysails	
4	4		"	"				and royals unless in very light weather.	
5	4	SNE	NNE	NNE				6.30. In topgallant sails - 9 P.M. Furled topsails main	
6	4		"	"				sail and crossjack. Blowing strong, thick	
7	4		"	"				weather, very heavy, misty sea which causes	
8	4		"	"				ship to pitch heavily.	
9	4		"	"			29.90	8 A.M. more moderate, shook ruffs	
10	4		"	"				out of topsails and courses.	
11	4		"	"					
12	4		"	"			29.92		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
132				45° 37'	45° 51'	22° E		82° 37'	82° 37'

Journal from towards

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.	day of
						Air.	Water.		18
1	5		NNE	NNE				Soon the ship to northward	Thursday Dec 22-1898
2	5		"	"				set topgallant followed by	
3	5		"	"				all sail. ship going	
4	5		"	"			29.95	easier in this thick	
5	5		"	"				throughout leading into	
6	5		"	"				thick sea	
7	7		"	"			29.99	7 P.M. Wind increasing.	
8	8		"	"				my thick dirty masts, furled	
9	8	NNE	NNE	NNE				staysails and light staysails.	
10	8		"	"			30.03	10 P.M. Furled main royal.	
11	8		"	"				12. Furled my royal.	
12	8		"	"				2 A.M. Brizilyon - furled top -	
1	8		"	"			30.01	glutsails and spanker.	
2	8		"	"				6 A.M. moderating - set topgallant	
3	8		"	"				and spanker.	
4	8		"	"				8 P.M. Set royals and all sail.	
5	8	North	North	North					
6	8		"	"				Day ends light wind heavy	
7	6		"	"			30.07	misty sea still rolling in.	
8	6		"	"					
9	5	NNE	NNE	NNE				84 Days at sea	
10	5		"	"				Strong east to east South East.	
11	5		"	"				current for past 2 days.	
12	5		"	"			30.14		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
157				43° 41'	43° 42'	22° E		80° 50'	80° 25'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer	Barometer.	REMARKS.	day of
						Air.	Water.		18
1	4		NNE	NNE				Friday, Dec 23-1898	
2	4		"	"				Day begins light breeze and	
3	4		"	"				heavy sea from N.E.	
4	4		"	"				4 P.M. Wind died out calm	
5	4		"	"					
6	3		"	"				Occasional light airs	
7	3		"	"				for rest of day.	
8	2		"	"					
9	1		"	"			30.20	Courses hauled up and	
10	1		"	"				spanker down.	
11	1		"	"				Very heavy, misty sea	
12	1		"	"				which caused ship to roll	
1	1		"	"				and flat very much.	
2	1		"	"					
3	1		"	"					
4	1		"	"					
5	1		"	"					
6	1		"	"					
7	1		"	"					
8	1	NNE	NNE	NNE			30.16	85 Days at sea	
9	1		"	"				crew planing decks.	
10	1		"	"				working aloft, etc.	
11	1		"	"					
12	1		"	"			30.17		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
44				42° 40'				80° 10'	

Journal from Baltimore towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	2		NW 1/2	N. by S.				30-20	Light airs throughout.	Saturday	Dec 24-1898
2	2								Very heavy sea from		
3	2								SW. which causes ship		
4	2								sea to roll heavily.		
5	2										
6	2										
7	3								10 A.M. Hove to Westward.		
8	3										
9	3								Planing decks.		
10	3								Painting fore peak		
11	3								working aloft etc.		
12	3										
1	3								86 Days at sea		
2	3										
3	3										
4	3										
5	2 1/2										
6	2 1/2										
7	2 1/2										
8	2 1/2										
9	1										
10	0 1/2										
11	2		West	N. N. W.							
12	3										

Journal from towards

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	11		N. N. W.	N. by S.					Monday, Dec 26-1898.		
2	11								Day begins mild inclined		
3	10								to moderate.		
4	10								4 P.M. set top-glistersails.		
5	10										
6	10								30-09 Day ends with calm		
7	10		N. N. W.	SW					followed by light airs		
8	10								springing up in northaid.		
9	10										
10	9								30-12 Slight N.E. current.		
11	7		N. N. W.	SW by S							
12	6										
1	5								88 Days at sea.		
2	5										
3	4										
4	4										
5	4			S. S. W.							
6	3										
7	3			Variante							
8	2							30-22			
9	1										
10	1/2										
11	1/2		N. N. W.	N. by E							
12	2		N. N. W.					30-23			

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
56 1/2					41-47 25°				80° 12 1/2

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	5		N. N. W.	N. N. W.					Sunday, Dec 25-1898.		
2	5								Begin with light		
3	5								haze and fine weather		
4	5		N. N. W.	N. N. W.				30-16	Sea going down.		
5	6								6 P.M. In light staysails		
6	6								and skysails.		
7	7							30-10	7 P.M. Furl'd royals.		
8	7								Mid. blowing fresh which		
9	7							30-00	and raining, clouds coming		
10	7								up very rapidly from N. S. W.		
11	7		N. N. W.					30-02	furl'd top-glistersails & spanker.		
12	7							29-94	1 P.M. Very threatening in Westward		
1	5							29-90	blowing fresh in squalls, furl'd		
2	5							29-88	cross-jack, outer jib, reefed top-		
3	3		N. N. W.	N. N. W.					sails and mainsail.		
4	3		N. N. W.	N. S. W.				29-86	4 A.M. moderating, clearing up		
5	3							29-87	wind hauling to Northward.		
6	4								set cross-jack, reefed of mainsail		
7	5		N. N. W.						6 A.M. Began to shake reefs out of		
8	7								topsails.		
9	10								7 A.M. Began to set all sail except		
10	12							29-94	Day ends strong breeze & clear weather.		
11	13										
12	12							30-00	87 Days at sea		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
156				40° 34'	40° 43'			82°-12 1/2	81° 53'

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
148				38° 25'	38° 17'	20° E.		82° 38'	82° 32'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1			N. N. W.	North					Tuesday, Dec 27-1898		
2									Day begins light breeze		
3									and fine.		
4											
5			N. N. W.	N. N. W.					6 P.M. Breeze increasing.		
6											
7									12- Fresh breeze and squally		
8								30-18	furl'd skysails, light stay-		
9			N. N. W.	North					sail and royals.		
10											
11									1 A.M. Hove ship to Northward		
12								30-11	strong breeze and rain squalls		
1			SW	N. N. W.				30-07	4 A.M. Weather improving		
2			North						set royals.		
3			N. 1/2 E					30-08	5 A.M. Set all sail.		
4											
5											
6									Day ends fine weather		
7									mild moderating.		
8								30-10			
9			N. by E	N. N. W.					89 Days at sea.		
10											
11									Not towing log		
12								30-12			

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
				36° 59'				83° 01'	

Journal from Baltimore towards

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1			N by E.	NW by N					Light breeze and	Wednesday	Dec 28-1898
2			"	"					fine weather throughout.		
3			"	"					Our planing decks		
4			"	"					working about rigging etc.		
5			"	"					Carpenter stopping		
6			"	"					beds underneath forecath		
7			"	"							
8			"	"							
9			"	"							
10			"	"							
11			"	"							
12			"	"							
1									90 Days at sea		
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
140				34°-55'	19°E				81°15'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	7		N by E	NW by N					First part moderate breeze	Thursday	Dec 29
2	8		"	"					and fine weather.		
3	9		"	"					2 P.M. Sighted Mac-a-fuera		
4	9		"	"					Island bearing N. by E. 55 miles		
5	10		"	"					It is astonishing how easily		
6	9		"	NW by N					ship gets up a speed of 9 knots.		
7	8		"	"					9 P.M. Passed island distance		
8	8		"	"					5 miles.		
9	6		N by W	Variable					Latter part - light airs		
10	3		N by E	"					and fine weather.		
11	8		N by W 3/4 N	West					91 Days at sea		
12	7		"	"					Our employed scraping		
1	4		"	"					down ^{gal} masts, painting		
2	4		"	"					outside etc. planing decks.		
3	4		"	"							
4	4		"	"							
5	4		"	"							
6	4		"	"							
7	4		"	"							
8	4		"	"							
9	3		N by E	NW by N							
10	3		"	"							
11	3		"	"							
12	3		"	"							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
136				32°50'	32°50'S			80°39'	80°39'W

Journal from Baltimore towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1	4	1/2	NW by N	NW by S					Light airs and fine	Friday	Dec 30-1898
2	4	1/2	"	"					weather throughout		
3	4	1/2	to	to					heavy swell from S. W.		
4	4	1/2	N by E	N. W.					Our employed		
5	4	1/2	"	"					scrubbing and painting		
6	4	1/2	"	"					outside.		
7	4	1/2	"	"					Finished going over		
8	4	1/2	"	"					main deck with jack		
9	4	1/2	"	"					planes, will now begin		
10	4	1/2	"	"					rust smoothing planes.		
11	4	1/2	"	"							
12	4	1/2	"	"							
1	4	1/2	"	"					Carpenter digging out		
2	4	1/2	"	"					cement in locked under-		
3	4	1/2	"	"					most top gable forecath, filling		
4	4	1/2	"	"					space between angle iron		
5	4	1/2	"	"					and ship's side with wood,		
6	4	1/2	"	"					then caulked and re-		
7	4	1/2	"	"					cemented it. It was leaking		
8	4	1/2	"	"					badly, the cement being poorly		
9	4	1/2	"	"					put on and mixed with		
10	4	1/2	"	"					very coarse sand.		
11	4	1/2	"	"							
12	4	1/2	"	"							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
108				31°-03'	17°E				80-44

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1			N by W	West					Light airs to light	Saturday	Dec 31-1898
2			"	"					breezes blowing from West		
3			to	to					to N. W.		
4			N. by E.	N. W.					Passed bark bound same		
5			"	"					way.		
6			"	"					Our employed painting		
7			"	"					outside planing decks and		
8			"	"					other work.		
9			"	"					Carpenter working under		
10			"	"					forecath.		
11			"	"							
12			"	"							
1									93 Days at sea		
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
120 sailed.				29°16'	17°E				80-22

Journal from Baltimore towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of 18
						Air.	Water.			
1			N. N. W.	Baffling					Light baffling air	Sunday Jan 1-1899
2			to	from					and fine weather.	
3			A. N. E.	W. to N. W.					for the day.	
4										
5										
6										
7									94 Days at sea.	
8										
9										
10										
11										
12										

30.07

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
	made good.								
	70 miles.					28-00	17° E		80° 29' W

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of 18
						Air.	Water.			
1			N. N. W.	N. W.					Light baffling air with	Monday Jan 2-1899
2			to	to					intervals of calm.	
3			North	N. N. W.						
4										
5										
6										
7									Crew employed planing	
8									dicks. painting chain	
9									work aloft.	
10										
11									Carpenter making royal	
12									yards.	

30.03

95 Days at sea

30.08

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
	63 miles					27-02	15° E		80° 32' W

Journal from Baltimore towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of 18
						Air.	Water.			
1			N. W. 1/4 S.	Variable					Faint air throughout	Tuesday Jan 3-1899
2				from					the day.	
3				S. W.						
4				E.						
5									P. M. sighted St. Ambrose	
6									Island bearing N. by N.	
7									distance 28 miles.	
8										
9										
10										
11										
12										

30.08

Crew employed painting chains, masts, blocks etc. planing dicks.

Carpenter finished royal yard.

Have fished for top-glut yard and bent it up for jigger yard, for royal yard for lower topsail and span royal yard for jigger up per topsail yard, setting an upper topsail and 2 royals on them.

96 Days at sea

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
	50 miles					26-17	15° E		80° 54' W

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of 18
						Air.	Water.			
1			N. W.	O. S. E.					Light air until 6. A. M.	Wednesday Jan 4-1899
2									then increased into a	
3									moderate breeze and	
4									continued so for balance of	
5									day.	
6										
7									Crew painting aloft,	
8									scrubbing paint in deck,	
9									planing dicks etc.	
10										
11									Carpenter caulking belmin	
12									pin rail and bulwark.	

30.06

which was done once before but, as it is still running rust will caulk again.

97 Day at sea.

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
	113 miles					24-38	17° E		81° 07' W

Journal from Baltimore towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of 18
						Air.	Water.			
1			NW 1/4 N	SE					Moderate breeze and cloudy weather, occasional rain squalls for the day. Carpenter caulking rails. Crew painting aloft, planing deck tarred figger rigging. 98 Days at sea	Thursday Jan 5 - 1899
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
	192 miles.				22° 19'				84° 54'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of 18
						Air.	Water.			
1				SE					Light to moderate breeze and fine weather for the day. Crew employed tarring down, planing deck etc. Carpenter finished caulking rails began to caulk some leaking seams on prop deck. 99 Days at sea	Friday Jan 6 - 1899
2				to ESE						
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 74° W.	175 miles made good.				20° 44'				86° 49'

Journal from towards

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of 18
						Air.	Water.			
1				O. S. E					Light breeze with occasional rain squalls, wind baffling considerable. Finished tarring down. Painting masts, scrubbing paint around decks. Carpenter caulking prop deck. planing cabin floors. 100 Days at sea	Saturday Jan 7 - 1899
2				to S. S. E.						
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 74° W.	140 miles made good.				19° 04'	13° E			85° 32'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of 18
						Air.	Water.			
1				SE					Light breeze and fine weather for the entire day. 101 Days at sea	Sunday Jan 8 - 1899
2				to E. S. E						
3										
4										
5										
6										
7										
8								30.08		
9										
10										
11										
12										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 74° W.	142 miles made good.				17° 24'	12° E			90° 15' 1/2

Journal from Baltimore towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1				SE					Monday Jan 9 th 1899		
2				to							
3				SE							
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

30.08.

102 Days at sea.

scrubbing paint, painting yards, planing cabin floors etc. carpenter caulking poop deck.

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 7 1/2 N.	136 made good			10° 41'	13° E				91° 46' W.

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1				SE					Tuesday Jan 10 1899		
2				to							
3				East							
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

30.04

103 Days at sea

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 7 1/2 N.	150 made good.			13° 07'	11° E				93° 36' W.

Journal from towards

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1				E. S. E					Wednesday Jan 11 1899		
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

30.00

Light breeze and at times very light, fine weather for the day.

Painting white around poop.

Scrubbing and cleaning around main deck.

Carpenter variously employed.

104 Days at sea

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 7 1/2 N.	128 made good.			12° 20'	11° E				94° 08' W.

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	18
						Air.	Water.				
1				East					Thursday Jan 12 1899		
2				to							
3				SE							
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

29.98

Light airs to light breezes and fine weather for the day.

Crew employed painting ship.

Carpenter making strongback for port after boat cover.

105 Days at sea

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 7 1/2 N.	119 made good.			10° 55'	10° E				96° 19' W.

Journal from

towards

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1				SE by E					Friday Jan 13-99
2									Light breeze and fine weather for the day.
3									
4									
5									
6									Painting ship.
7								29.94	
8									
9									
10									
11									106 Days at sea
12									
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N. by E.	125 made good.			9° 12'	10° E.				97-28 1/2

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1				E. S. E.					Saturday Jan 14-99
2				to SE					Light breeze to light air for the day.
3									Painting ship.
4									
5									
6									
7								29.94	
8									
9									
10									107 Days at sea
11									
12									
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N. by E.	114 made good.			9° 47'	9° E.				98° 43'

Journal from

towards

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1				SE 1/2 E					Sunday Jan 15-99
2									Light breeze and light air for the day.
3									
4									
5									
6									
7								29.94	
8									108 Days at sea
9									
10									
11									
12									
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N. by E.	113 made good.			6° 17'	9° E.				99° 57'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1				SE					Monday Jan 16-99
2									Light breeze to light air for the day.
3									Painting ship.
4									
5									
6								29.98	
7									109 Days at sea
8									
9									
10									
11									
12									
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N. by E.	116			5° 58'	9° E.				101° 22'

Journal from towards

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1				SSE					Wednesday Jan 17-1899
2									Light breeze to light airs
3									for the entire day.
4									Painting ship.
5									
6									
7									
8									29.96
9									
10									110 Days at sea.
11									
12									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 7 1/2 W.	128 made good			3° 45'	9° E				103° 01' 21"

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1				S.E.					Thursday Jan 18-1899
2									Light airs for the day.
3									Painting ship.
4									
5									Experienced volcanic shock
6									at 2 P.M. ship trembled all
7									over. Heard a dull report
8									29.93 111 Days at sea
9									like distant thunder.
10									
11									
12									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 7 1/2 W.	102			2° 34'					104° 14' 11"

Journal from towards

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1				E. S. E.					Thursday Jan 19-1899
2									Light airs for the
3									day.
4									112 Days at sea
5									
6									
7									29.94 Painting ship.
8									
9									
10									
11									
12									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 7 1/2 W.	99			1° 18'					105° 16' 21"

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1				SE					Friday Jan 20-1899
2									Light airs and calms
3									for the day.
4									
5									Finished painting around
6									docks.
7									29.94 Some easterly current.
8									
9									113 Days at sea
10									
11									
12									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 7 1/2 W.	73 made good			0-07'					105° 21' 21"

Journal from

towards

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1				S. S. E.					day of Jan 21-1899
2				S. E.					Light airs and calms
3									for the day.
4									9. A.M. coming in rainy.
5									
6									
7									
8								29.90	114 Days at sea.
9									
10									
11									
12									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N. N. W.	72 made good.				1° N.				105° 56' 21"

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1				variable					day of Jan 22-1899
2				chilly					Light airs and
3				N. E.					calm for the day.
4									Sent yards down off
5									jigger
6									
7									
8								29.90	
9									
10									
11									115 Days at sea.
12									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N. N. W.	71				2° 03' N.				106° 28' 11"

Journal from

towards

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1				S. S. E.					Monday, day of Jan 23-1899
2									Light breeze to light
3									airs; occasional rain
4									squalls.
5									
6									
7									Planing main deck
8									and cabin floors.
9									29.90 balance of the holy-stoning
10									
11									
12									116 Days at sea

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N. N. W.	100				3° 06' N.				107° 43' 11"

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1				S. S. E.					day of Jan 24-1899
2									Light breeze and
3									rain squalls for the day
4									
5									
6									Holy-stoning decks- planing
7									decks also cabin floors.
8									
9									29.88
10									
11									
12									117 Days at sea

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N. N. W.	133				5° 06' N.				108° 38' 11"

Journal from towards

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1				S. S. E					Wednesday day of Jan 25 - 1899.
2				to					Doldrums, rain squalls
3				E. N. E					and light breeze at times.
4									
5									Hoisting & planing
6									main deck and cabin
7									floors.
8									29.88
9									
10									118 Days at sea
11									
12									
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N. N. W.	96.			6°-35'	From				109-147

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1				S. E					Thursday day of Jan 26 -
2				to					Faint air throughout
3				S. W.					the day.
4									
5									Hoisting & planing
6									decks and cabin
7									floors.
8									29.90
9									
10									119 Days at sea.
11									
12									
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
North.	60				7-00	8° E			109-147

Journal from towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1									Friday day of Jan 27 - 1899.
2									
3									Calm, light air occasional.
4									ly. baffling from S. to N. W.
5									ship making from 1 kn to
6									1 1/2 k. per hour.
7									
8									29.92
9									6 P. M. Heading N. by E.
10									now ship to westward.
11									
12									Planing & hoisting decks
1									& cabin floors.
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
					7-40 N.				109° 24'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1				Easterly.					Saturday day of Jan 28 - 1899.
2									Very faint air mostly
3									in easterly quarter.
4									
5									Planing decks and
6									cabin floors. Putting
7									stamps in prop
8									oil decks as soon as
9									planned
10									
11									
12									
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N. N. W.	44				8-06				109-12

Journal from

towards

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1				SE					Sunday Jan 28 - 1899
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									

122 Days at sea

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N. N. W.	52			8° 44'	8° 5'				109° 41'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1				East					Monday Jan 29 - 1899
2									
3									
4									
5				N. N.					
6									
7									
8									
9									
10				NE					
11				to					
12				N. N. E.					
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									

123 Days at sea

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N. N. W.	106			9° 44'	9° 48'				111° 08'

Journal from

towards

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1				N. N. E.					Tuesday Jan 31 - 1899
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									

124 Days at sea

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N. N. W.	166			11° 34'					113° 17'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1				N. N. E.					Wednesday Feb. 1 - 1899
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									

125 Days at sea

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N. N. W.	185			13° 20'					115° 52'

Journal from

towards

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer Air. Water.	Barometer.	REMARKS.
1				North				Feb. 2 - 1899 - Thursday
2				N. N. E.				Light breeze until 4 P.M.
3				"				then dying out nearly
4				"				calm until 10 P.M. began
5				"				to breeze up gradually
6				"				increased into moderate
7				"				breeze
8				"			29.85	Ends with change.
9				"				Planing decks and
10				"				cabin floors also polishing
11				"				same.
12				"				Cleaning gratings main-
1				"				rope stanchions, arming
2				"				stanchions etc.
3				"				126 Days at sea
4				"				
5				"				
6				"				
7				"				
8				"				
9				"				
10				"				
11				"				
12				"				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N. N. W.	127			14° 42'	9° 2'			117° 21'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer Air. Water.	Barometer.	REMARKS.
1				N. N. E.				Friday Feb. 3 - 1899
2				to				Moderate breeze and fine
3				North				weather throughout.
4				"				Carpenter & crew
5				"				employed the same as
6				"			30.00	yesterday.
7				"				127 Days at sea
8				"				
9				"				
10				"				
11				"				
12				"				
1				"				
2				"				
3				"				
4				"				
5				"				
6				"				
7				"				
8				"				
9				"				
10				"				
11				"				
12				"				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N. N. W.	175			16° 00'				120° 15'	

Journal from

towards

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer Air. Water.	Barometer.	REMARKS.
1	7		N. N. W.	N. N. E.				Saturday Feb. 4 - 1899
2	8		"	"				Moderate breeze until
3	8		"	"				midnight, then very
4	8		"	"				light breeze until 4
5	8		N. W.	N. E. by N.				A.M. when it increased
6	8		"	"				into moderate breeze again.
7	8		N. N. W.	"			30.06	Heavy northerly sea.
8	8		"	"				Crew employed as
9	8		"	"				yesterday.
10	8		"	"				Finished planing
11	8		"	"				main-deck at last.
12	8		"	"				I trust that is the last
1	5		N. N. W.	N. E.				bit of the kind that will
2	5		"	"				ever fall to my lot.
3	5		"	"				128 Days at sea
4	5		"	"				
5	7		"	"				
6	7		"	"				
7	7		"	"				
8	7		"	"				
9	8		"	"				
10	8		"	"				
11	8		"	"				
12	8		"	"				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N. N. W.	179			18° 27'	18° 27'	9° 2'		121° 56'	122° 03'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer Air. Water.	Barometer.	REMARKS.
1	8		N. W.	N. E. by E.				Sunday Feb. 5 - 1899
2	8		"	"				Begins moderate breeze
3	8		"	"				and cloudy.
4	8		"	"				Middle part light breeze
5	9		"	"				Ends fresh breeze.
6	9		"	"			30.13	Heavy N. W. sea.
7	8		"	"				
8	8		"	"				
9	8		"	"				
10	9		"	"				
11	9		"	"				
12	8		"	"				
1	6		"	"				
2	6		"	"				
3	6		"	"				
4	6		"	"				
5	7		"	"				
6	7		"	"				
7	7		"	"				
8	7		"	"				
9	8		"	"				
10	8		"	"				
11	9		"	"				
12	9		"	"				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N. N. W.	189			20° 56'	20° 55'			124° 13'	124° 06'

Distance per log 180

129 Days at sea

Journal from Baltimore, Md towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	9		N.W. 1/2 N.	N.E. 1/2 N.					Monday day of Oct 6 - 1899
2	9								Fresh to strong breeze and cloudy weather throughout.
3	9								Heavy S. W. sea.
4	9	1/2							30.24 Carpenters and 13 men planing top-gut forecabin.
5	9	1/2							Balance of crew cleaning and painting in fore peak.
6	9								Polishing cabin floors and painting in day.
7	10								130 Days at sea
8	11								N. S. W. current.
9	8								Dis per. obs. 236 miles.
10	8								Log 219
11	8								
12	8								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N. W. 1/2 N.	219 1/2			23° 47'	23° 39' 10" E			126° 42'	127° 08'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	9		N. W.	N. E. 1/2 N.					Tuesday day of Oct 7 - 1899
2	9								Fresh breeze and puffy.
3	9								blowing quite strong in puffs.
4	10		N. W. 1/2 N.						Crew employed as yesterday.
5	10								30.43 7 P. M. Took in Main top-gut stay-pail & main ship-pail. This mast will not stand carrying too hard on.
6	10		N. W. 1/2 N.	N. E.					8.30 A. M. Set ship-pail & top-gut stay-pail.
7	10								131 Days at sea
8	10								N. S. W. current.
9	9								
10	9								
11	9								
12	9								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N. W. 1/2 N.	220 made good			27° 04'	27° 00' 11" E			128° 30'	128° 47'

Journal from towards

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	9		N. W. 1/2 N.	N. E. 1/2 E.					Wednesday day of Oct 8 - 1899
2	9								Moderate to light breeze, and cloudy weather, smooth sea.
3	8								Crew employed same as yesterday also polishing brass.
4	8								
5	8								
6	8	1/2							30.52
7	8	1/2							132 Days at sea
8	8								Southerly current.
9	8								
10	8								
11	8								
12	8								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N. W. 1/2 N.	167			29° 39'	29° 29'	12° E		129° 43'	129° 35'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	4		N. W. 1/2 N.	N. E. 1/2 N.					Thursday day of Oct 9 - 1899
2	3								Light winds baffling several points, cloudy weather.
3	3								
4	3								
5	6								4 P. M. Lighted sail ahead from Upper topsail yard.
6	6								30.50
7	6								24
8	6								Finished planing top-gallant forecabin.
9	5								planing prop deck.
10	5								Painting gutter-rails, & oiling decks etc.
11	4								Capt and one man polishing cabin floors.
12	4								Tom came up on vessel sighted from aloft at 4 P. M. yesterday. He proved to be Chile ship "Temuco" - 52 days out from Iquique for Esquimalt.
1	4								133 Days at sea
2	4								
3	4								
4	4								
5	4								
6	4								
7	4								
8	4								
9	4								
10	4								
11	4								
12	4								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N. W. 1/2 N.	103			31° 02'	31° 02'	12° E		130° 27'	130° 27'

Journal from

towards

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1									Friday Feb 10 - 1899
2									Light airs baffling
3									from N. to E.N.E.
4									Tacked several times
5									"Temuco" still in sight
6									Finished planing poop.
7									30:44
8									brush cleaning bare,
9									painting out leaks clearing
10									up etc.
11									134 Days at sea
12									

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

32° 04' 134-03

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1									Saturday Feb 11 - 1899
2									Light airs baffling around
3									the compass, with calm intervals.
4									Polystoning poop.
5									30:35
6									135 Days at sea
7									"Temuco" in sight, hull
8									down astern.
9									
10									
11									
12									

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

32° 30' 134-03

Journal from

towards

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1									Sunday Feb 12 - 1899
2									Calm, with light airs
3									baffling around the compass.
4									Oiled poop deck.
5									also top-glass forecastle.
6									"Temuco" out of sight
7									30:36 astern.
8									
9									
10									
11									
12									
1									6 P.M. Simultaneous
2									observation of Mars & Sirius.
3									gives lat. 32° 49' N. Lon. 130-57 W.
4									136 Days at sea
5									
6									
7									
8									
9									
10									
11									
12									

This makes my 6th outward passage as master, leaving in Sept. and Oct. this is by all odds the worst chance of all. thought the last one Balt. to Honolulu was bad but it was nothing to this. Calms, light airs and wind ahead when there is any. It is only the fine sailing qualities of the ship which bring us as far along as we are. Had this been "Batecock" would have been 150 days to here with same winds. R.J. Graham

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

32° 10' 130-50

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1									Monday Feb 13 - 1899
2									Calm with occasional
3									faint airs baffling around
4									the compass.
5									Foggy part of time no observation
6									brush cleaning paint &
7									polishing keels.
8									137 Days at sea
9									Lat. Dr. Lon. Dr.
10									30:43 33-25 130-40.
11									Tuesday Feb 14 - 1899.
12									Calm with occasional light
1									airs.
2									Lat. Lon.
3									30:50 33-47 N. 129-37.
4									138 Days at sea
5									Wednesday Feb 15 - 1899.
6									5 P.M. Bridge sprung up from
7									Northward gradually increasing.
8									30:34 2 AM Furlled light top sails and sky
9									sails. 3 AM In royals.
10									10 AM Furlled top lights blowing fresh
11									heavy sea. Ends without change.
12									139 Days at sea.

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

32° 30' 130-50

